

Subject Index

Absorption

Scattering and Absorption of Light in Onondaga Lake, Steven W. Effler, Martin C. Wodka and Stephen D. Field, EE Dec. 84 p1134-1145.

Acidic water

Iron Removal from TiO₂-Plant Acidic Wastewater, Goen E. Ho, Peter J. Murphy, Noel Platell and J. Eddy Wajon, EE Aug. 84 p828-846.

Understanding Simplified Lake Acidification Models, Wu-Seng Lung, EE Oct. 84 p997-1002.

Activated carbon

Aqueous Chlorine/Activated Carbon Interactions, Michael J. McGuire and Irwin H. Suffet, EE June 84 p629-645.

Competitive Adsorption of Phenols on Activated Carbon, Chen-yu Yen and Philip C. Singer, EE Oct. 84 p976-989.

Granular Activated Carbon Cost Sensitivity Analysis, Harry Harbold, EE Aug. 84 p849-853.

Simplified Approach for Designing Carbon Adsorption Column, S. L. Ong, EE Dec. 84 p1184-1188.

Simplified Models for Design of Fixed-Bed Adsorption Systems, David W. Hand, John C. Crittenden and William E. Thacker, EE April 84 p440-456.

Simulation of DOC Removal in Activated Carbon Beds, R. Scott Summers and Paul V. Roberts, EE Feb. 84 p73-92.

Activated carbon treatment

Bacterial TOC Removal on Sand and GAC, S. W. Maloney, K. Bancroft, W. O. Pipes and I. H. Suffet, EE June 84 p519-533.

GAC Treatment Costs: A Sensitivity Analysis, Robert M. Clark, Richard Eilers and Benjamin W. Lykins, Jr., EE Aug. 84 p737-750.

Removal of Dieldrin from Water by Activated Carbon, Massoud Pirbazari and Walter J. Weber, Jr., EE June 84 p656-669.

Activated sludge

Control of Activated Sludge Bulking, Yeun C. Wu, Hsin N. Hsieh, Donald F. Carey and Kuang C. Ou, EE April 84 p472-491.

Mixing Intensity and Polymer Sludge Conditioning, Christopher P. Werle, John T. Novak, William R. Knocke and Joseph H. Sherrad, EE Oct. 84 p919-934.

Activated sludge process

Critical Point Analysis for Toxic Waste Treatment, Alan F. Rozich and Anthony F. Gaudy, Jr., EE June 84 p562-572.

New Activated Sludge Theory: Steady State, Ritchie D. Mikesell, EE Feb. 84 p141-151.

Administration

Formulation of Environmental Regulations, Ravinder K. Jain, EE Aug. 84 p770-779.

Adsorption

Aqueous Chlorine/Activated Carbon Interactions, Michael J. McGuire and Irwin H. Suffet, EE June 84 p629-645.

Bacterial TOC Removal on Sand and GAC, S. W. Maloney, K. Bancroft, W. O. Pipes and I. H. Suffet, EE June 84 p519-533.

Cadmium Adsorption by Aerobic Lake Sediments, John O. Wiley and Peter O. Nelson, EE Feb. 84 p226-243.

Competitive Adsorption of Phenols on Activated Carbon, Chen-yu Yen and Philip C. Singer, EE Oct. 84 p976-989.

Evolution of a Technology, Walter J. Weber, Jr., EE Oct. 84 p899-917.

Laboratory Studies on Hydrocarbon Tracer Gases, Kenneth A. Rainwater and Edward R. Holley, EE Feb. 84 p27-41.

Removal of Cadmium (II) by Low Cost Adsorbents, Arun K. Bhattacharya and C. Venkobachar, EE Feb. 84 p110-122.

Simplified Approach for Designing Carbon Adsorption Column, S. L. Ong, EE Dec. 84 p1184-1188.

Simplified Models for Design of Fixed-Bed Adsorption Systems, David W. Hand, John C. Crittenden and William E. Thacker, EE April 84 p440-456.

Advection

Accurate Modeling of River Pollutant Transport, Graham B. McBride and J. Christopher Ruthertford, EE Aug. 84 p808-827.

Transverse Mixing in Wide and Shallow River: Case Study, Alexander C. Demetrapoulos and Heinz G. Stefan, EE June 83 p685-699.

Aeration

Development of Self-Propelled Aerators, Boris Mikhail Khudenko, EE Aug. 83 p868-885.

Effect of Rain on Surface Reaeration, Robert B. Banks, G. Bandula Wickramanayake and B. N. Lohani, EE Feb. 84 p1-14.

Examination of Recent Field Data on Stream Reaeration, Patricia Frexes, Gerhard H. Jirka and Wilfried Brutsaert, EE Dec. 84 p1179-1183.

Laboratory Studies on Hydrocarbon Tracer Gases, Kenneth A. Rainwater and Edward R. Holley, EE Feb. 84 p27-41.

Mechanical Mixing and Surface Reaeration, Robert B. Banks, Liqa Raschid-Sally and Chongrak Polprasert, EE Feb. 83 p232-241.

Small Stream Channel Dam Aeration Characteristics, Thomas A. Butts and Ralph L. Evans, EE June 83 p555-573.

Substrate Utilization Approach for Design of Nitrogen Control, Curtis C. Panzer, EE April 84 p369-380.

Aerators

Development of Self-Propelled Aerators, Boris Mikhail Khudenko, EE Aug. 83 p868-885.

Aggregates

Flocculent Settling in Quiescent Systems, T. Y. Richard Lo and Walter J. Weber, Jr., EE Feb. 84 p174-189.

Air entrainment

Factors Affecting Apparent Plume-Rise Entrainment, Bruce E. Rittmann, EE Oct. 84 p1013-1017.

Air pollution laws

Modeling Ozone Control Strategies in Los Angeles, T. W. Tesche, C. Seigneur, W. R. Oliver and J. L. Haney, EE Feb. 84 p208-225.

Air quality standards

Factors Affecting Apparent Plume-Rise Entrainment, Bruce E. Rittmann, EE Oct. 84 p1013-1017.

Air scour

Air Dynamics Through Filter Media During Air Scour, Steven R. Hewitt and Appiah Amirtharajah, EE June 84 p591-606.

Fundamentals and Theory of Air Scour, Appiah Amirtharajah, EE June 84 p573-590.

Air water interactions

Examination of Recent Field Data on Stream Reaeration, Patricia Frexes, Gerhard H. Jirka and Wilfried Brutsaert, EE Dec. 84 p1179-1183.

Alums

Alkalinity Consumption during Water Coagulation, Olusola Ogedengbe, EE Feb. 84 p290-295.

Mixing Intensity and Polymer Sludge Conditioning, Christopher P. Werle, John T. Novak, William R. Knoke and Joseph H. Sherrad, EE Oct. 84 p919-934.

Aquaculture

Aquaculture: The Hercules Experience, David L. Richardson and Glen T. Daigger, EE Oct. 84 p949-960.

Aquatic environment

Application of Nitrogen-Cycle Model to Manasquan Estuary, Tavit O. Najarian, Pamela J. Kaneta, Jay L. Taft and M. Llewellyn Thatcher, EE Feb. 84 p190-207.

ASCE Awards and Prizes

Evaluation of Selected Initial Dilution Models, Abu M. Z. Alam, Donald R. F. Harleman and Joseph M. Colonell, EE Feb. 82 p159-186.

Attenuation

Design of Natural Attenuation Landfills, Amalendu Bagchi, EE Aug. 83 p800-811.

Scattering and Absorption of Light in Onondaga Lake, Steven W. Effler, Martin C. Wodka and Stephen D. Field, EE Dec. 84 p1134-1145.

Backwashing

Air Dynamics Through Filter Media During Air Scour, Steven R. Hewitt and Appiah Amirtharajah, EE June 84 p591-606.

Fundamentals and Theory of Air Scour, Appiah Amirtharajah, EE June 84 p573-590.

Bacteria

Bacterial TOC Removal on Sand and GAC, S. W. Maloney, K. Bancroft, W. O. Pipes and I. H. Suffet, EE June 84 p519-533.

Barrier design

Minimizing Highway Noise Barrier Intrusion, Louis F. Cohn and William Bowlby, EE June 84 p534-549.

Biochemical oxygen demand

Evaluation of 60-Milliliter BOD Bottle Tests, Steve C. McCutcheon, EE June 84 p697-701.

Biofilm

Numerical Simulation of Mixed-Culture Biofilm, John C. Kissel, Perry L. McCarty and Robert L. Street, EE April 84 p393-411.

Biological oxygen demand

Temperature Effects on RBC Scale-Up, Yeun C. Wu, Ed. D. Smith and Chiu Y. Chen, EE Apr. 83 p321-331.

Biological treatment

Control of Activated Sludge Bulking, Yeun C. Wu, Hsin N. Hsieh, Donald F. Carey and Kuang C. Ou, EE April 84 p472-491.

Development of Self-Propelled Aerators, Boris Mikhail Khudenko, EE Aug. 83 p868-885.

Temperature Corrections to Rate Coefficients, R. Wane Schneider and William J. Grenney, EE June 83 p661-667.

Boundary layer

Wind Effects on Gas-Liquid Transfer Coefficients, Donald J. O'Connor, EE June 83 p731-752.

Bricks

Constructive Sludge Management: Biobrick, James E. Alleman and Neil A. Berman, EE April 84 p301-311.

Bulking

Control of Activated Sludge Bulking, Yeun C. Wu, Hsin N. Hsieh, Donald F. Carey and Kuang C. Ou, EE April 84 p472-491.

Cadmium

Cadmium Adsorption by Aerobic Lake Sediments, John O. Wiley and Peter O. Nelson, EE Feb. 84 p226-243.

Removal of Cadmium (II) by Low Cost Adsorbents, Arun K. Bhattacharya and C. Venkóbachar, EE Feb. 84 p110-122.

Calcium

History of Phosphorus Loading to Onondaga Lake, Steven P. Devan and Steven W. Effler, EE Feb. 84 p93-109.

California

Modeling Ozone Control Strategies in Los Angeles, T. W. Tesche, C. Seigneur, W. R. Oliver and J. L. Haney, EE Feb. 84 p208-225.

Canals

Critical Water Velocity for Small Habitats in Canals, William R. Jobin, Angel Laracunte, Roberto Mercado and Henry Negron-Aponte, EE Feb. 84 p279-282.

Case reports

Oil Sludge Solidification Using Cement Kiln Dust, David Scott Morgan, Jose Ignacio Novoa and Albert Henry Half, EE Oct. 84 p935-948.

Channels

Environmental Aspects of Clearing and Snagging, Fletcher Douglas Shields, Jr. and Nelson R. Nunnally, EE Feb. 84 p152-165.

Chemical treatment

Series-Event Kinetic Model for Chemical Disinfection, Blaine F. Severin, Makram T. Suidan and Richard S. Engelbrecht, EE April 84 p430-439.

Chemical wastes

Reverse-Flow Landfill Design for Waste Chemicals, Goran Sallfors and J. Jeffrey Peirce, EE April 84 p493-497.

Chlordane

Uncertainty Analysis of First Order Decay Model, Peter R. Jaffe and Frank L. Parker, EE Feb. 84 p131-140.

Chlorine

Aqueous Chlorine/Activated Carbon Interactions, Michael J. McGuire and Irwin H. Suffet, EE June 84 p629-645.

Clarifiers

Simulation of Flow in Rectangular Clarifiers, Emad Imam and John A. McCorquodale, EE June 83 p713-730.

Coagulation

Alkalinity Consumption during Water Coagulation, Olusola Ogedengbe, EE Feb. 84 p290-295.

Colorado River

Salt Efflorescence in Price River Basin, Bhasker K. Rao, D. S. Bowles and R. J. Wagenet, EE April 84 p457-471.

Concentration

Dispersion in Granular-Media Trickling Filters, Yilmaz Muslu, EE Oct. 84 p961-975.

Confidence intervals

Uncertainty Analysis of First Order Decay Model, Peter R. Jaffe and Frank L. Parker, EE Feb. 84 p131-140.

Construction materials

Environmental Aspects of Waste Utilization in Construction, James S. Gidley and William A. Sack, EE Dec. 84 p1117-1133.

Contaminants

Cleanup for Miami Drum Hazardous Waste Site, Uday P. Singh, Thomas C. Emenhiser, J. I. Garcia-Bengochea and James E. Orban, EE April 84 p343-355.

VOCs in Drinking Water: Cost of Removal, Robert M. Clark, Richard G. Eilers and James A. Goodrich, EE Dec. 84 p1146-1162.

Cost analysis

GAC Treatment Costs: A Sensitivity Analysis, Robert M. Clark, Richard Eilers and Benjamin W. Lykins, Jr., EE Aug. 84 p737-750.

Granular Activated Carbon Cost Sensitivity Analysis, Harry Harbold, EE Aug. 84 p849-853.

Hauling Distance and Transfer Station Location, Ely Anthony R. Ouano, EE Dec. 83 p1429-1433.

Cost effectiveness

Hauling Distance and Transfer Station Location, Ely Anthony R. Ouano, EE Dec. 83 p1429-1433.

Cost estimates

Procedure for Estimating Surface-Water Intake Costs, Thomas M. Walski, Janet S. Condra and Ken Cable, EE April 84 p381-391.

Cost minimization

Integrated Wastewater Management, Bhagwan R. Kansakar and Chongrak Polprasert, EE June 83 p619-630.

Crop production

Estimating Crop Growth Rate with Land Treatment, Allen R. Overman, EE Oct. 84 p1009-1012.

Dams

Small Stream Channel Dam Aeration Characteristics, Thomas A. Butts and Ralph L. Evans, EE June 83 p555-573.

Data analysis

Series-Event Kinetic Model for Chemical Disinfection, Blaine F. Severin, Makram T. Suidan and Richard S. Engelbrecht, EE April 84 p430-439.

Decomposition

Stabilization of Solid Waste in Landfills, Todd J. Bookter and Robert K. Ham, EE Dec. 82 p1089-1100.

Denitrification

Substrate Utilization Approach for Design of Nitrogen Control, Curtis C. Panzer, EE April 84 p369-380.

Desalination

Formation and Fate of Bromoform During Desalination, Ning-Wu Chang and Philip C. Singer, EE Dec. 84 p1189-1193.

Detention basins

Stormwater Quality Characteristics in Detention Basins, Raymond A. Ferrara and Patrick Witkowski, EE Apr. 83 p428-447.

Dewatering

Mixing Intensity and Polymer Sludge Conditioning, Christopher P. Werle, John T. Novak, William R. Knocke and Joseph H. Sherrad, EE Oct. 84 p919-934.

Differential equations

The QUAL II Model, Antonio S. Camara and Clifford W. Randall, EE Oct. 84 p993-996.

Diffusion

Simplified Models for Design of Fixed-Bed Adsorption Systems, David W. Hand, John C. Crittenden and William E. Thacker, EE April 84 p440-456.

Wet Scrubber Design for Odor Control, Robert J. Murphy, EE Oct. 84 p1002-1004.

Diffusivity

New Activated Sludge Theory: Steady State, Ritchie D. Mikesell, EE Feb. 84 p141-151.

Dilution

Evaluation of Selected Initial Dilution Models, Abu M. Z. Alam, Donald R. F. Harleman and Joseph M. Colonell, EE Feb. 82 p159-186.

Diseases

Snail Marisa Cornuarietis in Tropical Hydroelectric Reservoirs, William R. Jobin and Angel Laracunte, EE April 84 p356-368.

Disinfection

Series-Event Kinetic Model for Chemical Disinfection, Blaine F. Severin, Makram T. Suidan and Richard S. Engelbrecht, EE April 84 p430-439.

Dispersion

Accurate Modeling of River Pollutant Transport, Graham B. McBride and J. Christopher Ruthertford, EE Aug. 84 p808-827.

Dispersion in Granular-Media Trickling Filters, Yilmaz Muslu, EE Oct. 84 p961-975.

Transport in Lake Water Quality Modeling, Peter Shanahan and Donald R. F. Harleman, EE Feb. 84 p42-57.

Dissolved organic carbon

Simulation of DOC Removal in Activated Carbon Beds, R. Scott Summers and Paul V. Roberts, EE Feb. 84 p73-92.

Dissolved oxygen

Application of Stochastic Dissolved Oxygen Model, R. J. Dewey, EE April 84 p412-429.

Water Quality Analysis of New York Harbor Complex, Donald J. O'Connor and John A. Mueller, EE Dec. 84 p1027-1047.

Drainage

Modeling for Design of Landfill Bottom Liners, Alexander C. Demetracopoulos, George P. Korfiatis, Efstathies L. Bouredimes and Edward G. Nawy, EE Dec. 84 p1084-1098.

Economic analysis

VOCs in Drinking Water: Cost of Removal, Robert M. Clark, Richard G. Eilers and James A. Goodrich, EE Dec. 84 p1146-1162.

Ecosystems

Transport in Lake Water Quality Modeling, Peter Shanahan and Donald R. F. Harleman, EE Feb. 84 p42-57.

Effective stress

Air Dynamics Through Filter Media During Air Scour, Steven R. Hewitt and Appiah Amirtharajah, EE June 84 p591-606.

Efflorescence

Salt Efflorescence in Price River Basin, Bhasker K. Rao, D. S. Bowles and R. J. Wagenet, EE April 84 p457-471.

Effluents

Application of Stochastic Dissolved Oxygen Model, R. J. Dewey, EE April 84 p412-429.

Dispersion in Granular-Media Trickling Filters, Yilmaz Muslu, EE Oct. 84 p961-975.

Evaluation of Selected Initial Dilution Models, Abu M. Z. Alam, Donald R. F. Harleman and Joseph M. Colonell, EE Feb. 82 p159-186.

Polymer Dosage Control in Dissolved Air Flotation, Ronald Gehr and J. Glynn Henry, EE Apr. 83 p448-465.

Emission control

Modeling Ozone Control Strategies in Los Angeles, T. W. Tesche, C. Seigneur, W. R. Oliver and J. L. Haney, EE Feb. 84 p208-225.

Environmental effects

Temperature Distributions in Tidal Flow Field, Roger A. Falconer, EE Dec. 84 p1163-1176.

Environmental engineering

Critical Point Method for Mixing Zones in Rivers, T. P. Halappa Gowda, EE Feb. 84 p244-262.

Stabilization of Solid Waste in Landfills, Todd J. Bookter and Robert K. Ham, EE Dec. 82 p1089-1100.

Uncertainty Analysis of First Order Decay Model, Peter R. Jaffe and Frank L. Parker, EE Feb. 84 p131-140.

Environmental impacts

Environmental Aspects of Waste Utilization in Construction, James S. Gidley and William A. Sack, EE Dec. 84 p1117-1133.

Environmental Protection Agency

Evaluation of EPA's Hazard Ranking System, Jy S. Wu and Helene Hilger, EE Aug. 84 p797-807.

Environmental quality regulations

Formulation of Environmental Regulations, Ravinder K. Jain, EE Aug. 84 p770-779.

Estuaries

Water Quality Analysis of New York Harbor Complex, Donald J. O'Connor and John A. Mueller, EE Dec. 84 p1027-1047.

Ethylene

Laboratory Studies on Hydrocarbon Tracer Gases, Kenneth A. Rainwater and Edward R. Holley, EE Feb. 84 p27-41.

Eutrophication

Nutrient Loading Estimates for Lakes, Walter Rast and G. Fred Lee, EE Apr. 83 p502-517.

Stochastic Representation of a Hypereutrophic Lake, C. E. Mericas and R. F. Malone, EE April 84 p312-324.

Feasibility studies

Cleanup for Miami Drum Hazardous Waste Site, Udai P. Singh, Thomas C. Emehiser, J. I. Garcia-Bengochea and James E. Orban, EE April 84 p343-355.

Filter materials

Air Dynamics Through Filter Media During Air Scour, Steven R. Hewitt and Appiah Amirtharajah, EE June 84 p591-606.

Filtration

Air Dynamics Through Filter Media During Air Scour, Steven R. Hewitt and Appiah Amirtharajah, EE June 84 p591-606.

Chemical Optimization of Tertiary Contact Filters, Markus A. Boller, EE Feb. 84 p263-276.

Fundamentals and Theory of Air Scour, Appiah Amirtharajah, EE June 84 p573-590.

Fixed-bed operations

Simplified Models for Design of Fixed-Bed Adsorption Systems, David W. Hand, John C. Crittenden and William E. Thacker, EE April 84 p440-456.

Fixed-film process

Numerical Simulation of Mixed-Culture Biofilm, John C. Kissel, Perry L. McCarty and Robert L. Street, EE April 84 p393-411.

Flocculating

Flocculent Settling in Quiescent Systems, T. Y. Richard Lo and Walter J. Weber, Jr., EE Feb. 84 p174-189.

Similitude Interpretation of Jar Test Data, Gregory D. Reed and R. Bruce Robinson, EE June 84 p670-677.

Flocculation

Is Velocity Gradient a Valid Turbulent Flocculation Parameter? John L. Cleasby, EE Oct. 84 p875-897.

New Activated Sludge Theory: Steady State, Ritchie D. Mikesell, EE Feb. 84 p141-151.

Particles in Thickening: Mathematical Model, Desmond F. Lawler, Philip C. Singer and Charles R. O'Melia, EE Apr. 83 p332-349.

Flood control

Environmental Aspects of Clearing and Snagging, Fletcher Douglas Shields, Jr. and Nelson R. Nunnally, EE Feb. 84 p152-165.

Granular media

Bacterial TOC Removal on Sand and GAC, S. W. Maloney, K. Bancroft, W. O. Pipes and I. H. Suffet, EE June 84 p519-533.

Dispersion in Granular-Media Trickling Filters, Yilmaz Muslu, EE Oct. 84 p961-975.

GAC Treatment Costs: A Sensitivity Analysis, Robert M. Clark, Richard Eilers and Benjamin W. Lykins, Jr., EE Aug. 84 p737-750.

Granular Activated Carbon Cost Sensitivity Analysis, Harry Harbold, EE Aug. 84 p849-853.

Removal of Dieldrin from Water by Activated Carbon, Massoud Pirbazari and Walter J. Weber, Jr., EE June 84 p656-669.

Graphs

Critical Point Method for Mixing Zones in Rivers, T. P. Halappa Gowda, EE Feb. 84 p244-262.

Grease

Oil and Grease in Urban Stormwaters, Michael K. Stenstrom, Gary S. Silverman and Taras A. Burszynsky, EE Feb. 84 p58-72.

Groundwater pollution

Cleanup for Miami Drum Hazardous Waste Site, Udai P. Singh, Thomas C. Emehiser, J. I. Garcia-Bengochea and James E. Orban, EE April 84 p343-355.

Modeling for Design of Landfill Bottom Liners, Alexander C. Demetropoulos, George P. Korfiatis, Efsthathios L. Bouredimes and Edward G. Nawy, EE Dec. 84 p1084-1098.

VOCs in Drinking Water: Cost of Removal, Robert M. Clark, Richard G. Eilers and James A. Goodrich, EE Dec. 84 p1146-1162.

Groundwater supply

Cleanup for Miami Drum Hazardous Waste Site, Udai P. Singh, Thomas C. Emehiser, J. I. Garcia-Bengochea and James E. Orban, EE April 84 p343-355.

Harbors

Water Quality Analysis of New York Harbor Complex, Donald J. O'Connor and John A. Mueller, EE Dec. 84 p1027-1047.

Hazardous waste

Evaluation of EPA's Hazard Ranking System, Jy S. Wu and Helene Hilger, EE Aug. 84 p797-807.

Hazardous Waste Disposal Network Analysis, Aaron A. Jennings and Robert L. Sholar, EE April 84 p325-342.

Uncertainty Analysis of First Order Decay Model, Peter R. Jaffe and Frank L. Parker, EE Feb. 84 p131-140.

Hazardous waste sites

Cleanup for Miami Drum Hazardous Waste Site, Udai P. Singh, Thomas C. Emehiser, J. I. Garcia-Bengochea and James E. Orban, EE April 84 p343-355.

Head losses

Small Stream Channel Dam Aeration Characteristics, Thomas A. Butts and Ralph L. Evans, EE June 83 p555-573.

Heavy metals

Design of Natural Attenuation Landfills, Amalendu Bagchi, EE Aug. 83 p800-811.

Highway design

Minimizing Highway Noise Barrier Intrusion, Louis F. Cohn and William Bowlby, EE June 84 p534-549.

Hydraulic loading

Temperature Effects on RBC Scale-Up, Yeun C. Wu, Ed. D. Smith and Chiu Y. Chen, EE Apr. 83 p321-331.

Hydraulics

Transverse Mixing in Wide and Shallow River: Case Study, Alexander C. Demetracopoulos and Heinz G. Stefan, EE June 83 p685-699.

Hydrocarbons

Laboratory Studies on Hydrocarbon Tracer Gases, Kenneth A. Rainwater and Edward R. Holley, EE Feb. 84 p27-41.

Hydrodynamics

Dynamic Advective Water Quality Model for Rivers, Keith W. Bedford, Robert M. Sykes and Charles Libicki, EE June 83 p535-554.

Impellers

Mechanical Mixing and Surface Reaeration, Robert B. Banks, Liqa Raschid-Sally and Chongrak Polprasert, EE Feb. 83 p232-241.

Impoundments

Understanding Simplified Lake Acidification Models, Wu-Seng Lung, EE Oct. 84 p997-1002.

Industrial wastes

Iron Removal from TiO_2 -Plant Acidic Wastewater, Goen E. Ho, Peter J. Murphy, Noel Platell and J. Eddy Wajon, EE Aug. 84 p828-846.

Reverse-Flow Landfill Design for Waste Chemicals, Goran Sallfors and J. Jeffrey Peirce, EE April 84 p493-497.

Substrate Utilization Approach for Design of Nitrogen Control, Curtis C. Panzer, EE April 84 p369-380.

Intake structures

Procedure for Estimating Surface-Water Intake Costs, Thomas M. Walski, Janet S. Condra and Ken Cable, EE April 84 p381-391.

Iron

Some Considerations on Iron Removal, Windsor Sung and Eugene J. Forbes, EE Dec. 84 p1048-1061.

Iron sulfate

Iron Removal from TiO_2 -Plant Acidic Wastewater, Goen E. Ho, Peter J. Murphy, Noel Platell and J. Eddy Wajon, EE Aug. 84 p828-846.

Irrigation

Estimating Crop Growth Rate with Land Treatment, Allen R. Overman, EE Oct. 84 p1009-1012.

Irrigation water

Critical Water Velocity for Small Habitats in Canals, William R. Jobin, Angel Laracuente, Roberto Mercado and Henry Negron-Aponte, EE Feb. 84 p279-282.

Jar tests

Similitude Interpretation of Jar Test Data, Gregory D. Reed and R. Bruce Robinson, EE June 84 p670-677.

Kinetics

Dispersion in Granular-Media Trickling Filters, Yilmaz Muslu, EE Oct. 84 p961-975.

Substrate Utilization Approach for Design of Nitrogen Control, Curtis C. Panzer, EE April 84 p369-380.

Lagoons

Development of Self-Propelled Aerators, Boris Mikhail Khudenko, EE Aug. 83 p868-885.

Lakes

Cadmium Adsorption by Aerobic Lake Sediments, John O. Wiley and Peter O. Nelson, EE Feb. 84 p226-243.

Effect of Rain on Surface Reaeration, Robert B. Banks, G. Bandula Wickramanayake and B. N. Lohani, EE Feb. 84 p1-14.

History of Phosphorus Loading to Onondaga Lake, Steven P. Devan and Steven W. Effler, EE Feb. 84 p93-109.

Nutrient Loading Estimates for Lakes, Walter Rast and G. Fred Lee, EE Apr. 83 p502-517.

Scattering and Absorption of Light in Onondaga Lake, Steven W. Effler, Martin C. Wodka and Stephen D. Field, EE Dec. 84 p1134-1145.

Stochastic Representation of a Hypereutrophic Lake, C. E. Mericas and R. F. Malone, EE April 84 p312-324.

Transport in Lake Water Quality Modeling, Peter Shanahan and Donald R. F. Harleman, EE Feb. 84 p42-57.

Understanding Simplified Lake Acidification Models, Wu-Seng Lung, EE Oct. 84 p997-1002.

Land treatment

Estimating Crop Growth Rate with Land Treatment, Allen R. Overman, EE Oct. 84 p1009-1012.

Rainfall and Overland Flow Performance, Roberto F. de Figueiredo, Robert G. Smith and Edward D. Schroeder, EE June 84 p678-694.

Land usage

Integrated Wastewater Management, Bhagwan R. Kansakar and Chongrak Polprasert, EE June 83 p619-630.

Landfills

Modeling for Design of Landfill Bottom Liners, Alexander C. Demetracopoulos, George P. Kor-

- fiatis, Efstathies L. Bouredimes and Edward G. Nawy, EE Dec. 84 p1084-1098.
- Oil Sludge Solidification Using Cement Kiln Dust,** David Scott Morgan, Jose Ignacio Novoa and Albert Henry Half, EE Oct. 84 p935-948.
- Reverse-Flow Landfill Design for Waste Chemicals,** Goran Sallfors and J. Jeffrey Peirce, EE April 84 p493-497.
- Stabilization of Solid Waste in Landfills,** Todd J. Bookter and Robert K. Ham, EE Dec. 82 p1089-1100.
- Leachate collection systems**
- Modeling for Design of Landfill Bottom Liners,** Alexander C. Demetropoulos, George P. Korfiatis, Efstathies L. Bouredimes and Edward G. Nawy, EE Dec. 84 p1084-1098.
- Leachates**
- Design of Natural Attenuation Landfills,** Amalendu Bagchi, EE Aug. 83 p800-811.
- Moisture Transport in a Solid Waste Column,** George P. Korfiatis, Alexander C. Demetropoulos, Efstathios L. Bouredimos and Edward G. Nawy, EE Aug. 84 p780-796.
- Reverse-Flow Landfill Design for Waste Chemicals,** Goran Sallfors and J. Jeffrey Peirce, EE April 84 p493-497.
- Light**
- Scattering and Absorption of Light in Onondaga Lake,** Steven W. Effler, Martin C. Wodka and Stephen D. Field, EE Dec. 84 p1134-1145.
- Limestone**
- Iron Removal from TiO₂-Plant Acidic Wastewater,** Goen E. Ho, Peter J. Murphy, Noel Platell and J. Eddy Wajon, EE Aug. 84 p828-846.
- Linear programming**
- Optimization of Gravity-Fed Waste Distribution Systems: Theory,** Pramod R. Bhawe, EE Feb. 83 p189-205.
- Optimization of Gravity-Fed Water Distribution Systems: Application,** Pramod R. Bhawe, EE Apr. 83 p383-395.
- Liners**
- Modeling for Design of Landfill Bottom Liners,** Alexander C. Demetropoulos, George P. Korfiatis, Efstathies L. Bouredimes and Edward G. Nawy, EE Dec. 84 p1084-1098.
- Reverse-Flow Landfill Design for Waste Chemicals,** Goran Sallfors and J. Jeffrey Peirce, EE April 84 p493-497.
- Liquids**
- Wind Effects on Gas-Liquid Transfer Coefficients,** Donald J. O'Connor, EE June 83 p731-752.
- Marine animals**
- Critical Water Velocity for Small Habitats in Canals,** William R. Jobin, Angel Laracuente, Roberto Mercado and Henry Negron-Aponte, EE Feb. 84 p279-282.
- Mass transfer**
- Simplified Models for Design of Fixed-Bed Adsorption Systems,** David W. Hand, John C. Crittenden and William E. Thacker, EE April 84 p440-456.
- Simulation of DOC Removal in Activated Carbon Beds,** R. Scott Summers and Paul V. Roberts, EE Feb. 84 p73-92.
- Mass transport**
- Sampling Strategies for Mass-Discharge Estimation,** Byron Bodo and T. E. Unny, EE Aug. 83 p812-829.
- Mathematical models**
- Particles in Thickening: Mathematical Model,** Desmond F. Lawler, Philip C. Singer and Charles R. O'Melia, EE Apr. 83 p332-349.
- Temperature Corrections to Rate Coefficients,** R. Wane Schneider and William J. Grenney, EE June 83 p661-667.
- Maximum dry density**
- Soil Compaction and Permeability Prediction Models,** M. C. Wang and C. C. Huang, EE Dec. 84 p1063-1083.
- Measuring instruments**
- Flocculent Settling in Quiescent Systems,** T. Y. Richard Lo and Walter J. Weber, Jr., EE Feb. 84 p174-189.
- Mixing**
- Critical Point Method for Mixing Zones in Rivers,** T. P. Halappa Gowda, EE Feb. 84 p244-262.
- Is Velocity Gradient a Valid Turbulent Flocculation Parameter?** John L. Cleasby, EE Oct. 84 p875-897.
- Mechanical Mixing and Surface Reaeration,** Robert B. Banks, Liqa Raschid-Sally and Chongrak Polprasert, EE Feb. 83 p232-241.
- Mixing Intensity and Polymer Sludge Conditioning,** Christopher P. Werle, John T. Novak, William R. Knocke and Joseph H. Sherrad, EE Oct. 84 p919-934.
- Transverse Mixing in Wide and Shallow River: Case Study,** Alexander C. Demetropoulos and Heinz G. Stefan, EE June 83 p685-699.
- Water Quality Prediction in Mixing Zones of Rivers,** T. P. Halappa Gowda, EE Aug. 84 p751-769.
- Model accuracy**
- Uncertainty Analysis of First Order Decay Model,** Peter R. Jaffe and Frank L. Parker, EE Feb. 84 p131-140.
- Model analysis**
- Understanding Simplified Lake Acidification Models,** Wu-Seng Lung, EE Oct. 84 p997-1002.
- Model studies**
- Evaluation of Selected Initial Dilution Models,** Abu M. Z. Alam, Donald R. F. Harleman and Joseph M. Colonell, EE Feb. 82 p159-186.

Models

Application of Nitrogen-Cycle Model to Manasquan Estuary, Tavit O. Najarian, Pamela J. Kaneta, Jay L. Taft and M. Llewellyn Thatcher, EE Feb. 84 p190-207.

Understanding Simplified Lake Acidification Models, Wu-Seng Lung, EE Oct. 84 p997-1002.

Moisture content

Soil Compaction and Permeability Prediction Models, M. C. Wang and C. C. Huang, EE Dec. 84 p1063-1083.

Municipal engineering

Stabilization of Solid Waste in Landfills, Todd J. Bookter and Robert K. Ham, EE Dec. 82 p1089-1100.

Municipal wastes

Design of Natural Attenuation Landfills, Amalendu Bagchi, EE Aug. 83 p800-811.

State Program to Control Municipal Sludge, J. Jeffrey Peirce and Larry Cahill, EE Feb. 84 p15-26.

Temperature Effect on Rheology of Sludges, Odysseys Manoliadis and Paul L. Bishop, EE Feb. 84 p286-290.

Municipal water

Aquaculture: The Hercules Experience, David L. Richardson and Glen T. Daigger, EE Oct. 84 p949-960.

Network analysis

Hazardous Waste Disposal Network Analysis, Aaron A. Jennings and Robert L. Sholar, EE April 84 p325-342.

Network design

Optimization of Gravity-Fed Waste Distribution Systems: Theory, Pramod R. Bhawe, EE Feb. 83 p189-205.

Networks

Optimization of Gravity-Fed Water Distribution Systems: Application, Pramod R. Bhawe, EE Apr. 83 p383-395.

Nitrification

Substrate Utilization Approach for Design of Nitrogen Control, Curtis C. Panzer, EE April 84 p369-380.

Nitrogen

Application of Nitrogen-Cycle Model to Manasquan Estuary, Tavit O. Najarian, Pamela J. Kaneta, Jay L. Taft and M. Llewellyn Thatcher, EE Feb. 84 p190-207.

Nutrient Loading Estimates for Lakes, Walter Rast and G. Fred Lee, EE Apr. 83 p502-517.

Noise control

Minimizing Highway Noise Barrier Intrusion, Louis F. Cohn and William Bowby, EE June 84 p534-549.

Nonpoint pollution

Salt Efflorescence in Price River Basin, Bhasker K.

Rao, D. S. Bowles and R. J. Wagenet, EE April 84 p457-471.

Stormwater Quality Characteristics in Detention Basins, Raymond A. Ferrara and Patrick Witkowski, EE Apr. 83 p428-447.

Numerical analysis

Accurate Modeling of River Pollutant Transport, Graham B. McBride and J. Christopher Rutherdorf, EE Aug. 84 p808-827.

Numerical models

Numerical Simulation of Mixed-Culture Biofilm, John C. Kissel, Perry L. McCarty and Robert L. Street, EE April 84 p393-411.

Simulation of Flow in Rectangular Clarifiers, Emad Imam and John A. McCorquodale, EE June 83 p713-730.

Temperature Distributions in Tidal Flow Field, Roger A. Falconer, EE Dec. 84 p1163-1176.

Nutrient loading

History of Phosphorus Loading to Onondaga Lake, Steven P. Devan and Steven W. Eifler, EE Feb. 84 p93-109.

Nutrient Loading Estimates for Lakes, Walter Rast and G. Fred Lee, EE Apr. 83 p502-517.

Nutrients

Application of Nitrogen-Cycle Model to Manasquan Estuary, Tavit O. Najarian, Pamela J. Kaneta, Jay L. Taft and M. Llewellyn Thatcher, EE Feb. 84 p190-207.

Copper Transport Along Sierra Nevada Stream, James S. Kuwabara, Harry V. Leland and Kenneth E. Bencala, EE June 84 p646-655.

Odor control

Wet Scrubber Design for Odor Control, Robert J. Murphy, EE Oct. 84 p1002-1004.

Oils

Oil and Grease in Urban Stormwaters, Michael K. Stenstrom, Gary S. Silverman and Taras A. Bursztynsky, EE Feb. 84 p58-72.

On-site disposal systems

Estimating Septic Tank Pumping Frequency, Karen Mancl, EE Feb. 84 p283-285.

Optimization

Optimization of Gravity-Fed Water Distribution Systems: Application, Pramod R. Bhawe, EE Apr. 83 p383-395.

Optimum design

Optimal Design of Branched Water Supply Networks, Anand V. Chiplunkar and P. Khanna, EE June 83 p604-618.

Organic chemicals

VOCs in Drinking Water: Cost of Removal, Robert M. Clark, Richard G. Eilers and James A. Goodrich, EE Dec. 84 p1146-1162.

Organic compounds

Aqueous Chlorine/Activated Carbon Interactions, Michael J. McGuire and Irwin H. Suffet, EE June 84 p629-645.

Overland flow

Rainfall and Overland Flow Performance, Roberto F. de Figueiredo, Robert G. Smith and Edward D. Schroeder, EE June 84 p678-694.

Oxygen transfer

Effect of Rain on Surface Reaeration, Robert B. Banks, G. Bandula Wickramanayake and B. N. Lohani, EE Feb. 84 p1-14.

Examination of Recent Field Data on Stream Reaeration, Patricia Frexes, Gerhard H. Jirka and Wilfried Brutsaert, EE Dec. 84 p1179-1183.

Mechanical Mixing and Surface Reaeration, Robert B. Banks, Liqa Raschid-Sally and Chongrak Polprasert, EE Feb. 83 p232-241.

Oxygenation

Some Considerations on Iron Removal, Windsor Sung and Eugene J. Forbes, EE Dec. 84 p1048-1061.

Ozone

Modeling Ozone Control Strategies in Los Angeles, T. W. Tesche, C. Seigneur, W. R. Oliver and J. L. Haney, EE Feb. 84 p208-225.

Particle distribution

Particle Concentration Predictions in Settling Basins, David R. Schamber and Bruce E. Larock, EE June 83 p753-764.

Particle size distribution

Particles in Thickening: Mathematical Model, Desmond F. Lawler, Philip C. Singer and Charles R. O'Melia, EE Apr. 83 p332-349.

Some Considerations on Iron Removal, Windsor Sung and Eugene J. Forbes, EE Dec. 84 p1048-1061.

Pesticides

Removal of Dieldrin from Water by Activated Carbon, Massoud Pirbazari and Walter J. Weber, Jr., EE June 84 p656-669.

Petroleum refining

Oil Sludge Solidification Using Cement Kiln Dust, David Scott Morgan, Jose Ignacio Novoa and Albert Henry Halff, EE Oct. 84 p935-948.

pH

Removal of Cadmium (II) by Low Cost Adsorbents, Arun K. Bhattacharya and C. Venkoba-char, EE Feb. 84 p110-122.

Phenol

Competitive Adsorption of Phenols on Activated Carbon, Chen-yu Yen and Philip C. Singer, EE Oct. 84 p976-989.

Phosphate deposits

Seasonal Variations of Phosphate Species in Wastewater, K. Subba Narashiah and Chantal Morasse, EE Oct. 84 p1005-1008.

Phosphorus

History of Phosphorus Loading to Onondaga Lake, Steven P. Devan and Steven W. Effler, EE Feb. 84 p93-109.

Nutrient Loading Estimates for Lakes, Walter Rast and G. Fred Lee, EE Apr. 83 p502-517.

Phosphorous Models for Waste Stabilization Ponds, Harvey J. S. Hough and Earnest F. Gloyna, EE June 84 p550-561.

Stochastic Representation of a Hypereutrophic Lake, C. E. Mericas and R. F. Malone, EE April 84 p312-324.

Phosphorus removal

Chemical Optimization of Tertiary Contact Filters, Markus A. Boller, EE Feb. 84 p263-276.

Pipelines

Optimization of Gravity-Fed Water Distribution Systems: Application, Pramod R. Bhawe, EE Apr. 83 p383-395.

Plumes

Factors Affecting Apparent Plume-Rise Entrainment, Bruce E. Rittmann, EE Oct. 84 p1013-1017.

Pollutants

Accurate Modeling of River Pollutant Transport, Graham B. McBride and J. Christopher Ruth-erford, EE Aug. 84 p808-827.

Removal of Dieldrin from Water by Activated Carbon, Massoud Pirbazari and Walter J. Weber, Jr., EE June 84 p656-669.

Sampling Strategies for Mass-Discharge Estimation, Byron Bodo and T. E. Unny, EE Aug. 83 p812-829.

Polyelectrolytes

Polymer Dosage Control in Dissolved Air Flota-tion, Ronald Gehr and J. Glynn Henry, EE Apr. 83 p448-465.

Polymers

Polymer Dosage Control in Dissolved Air Flota-tion, Ronald Gehr and J. Glynn Henry, EE Apr. 83 p448-465.

Porous media

Moisture Transport in a Solid Waste Column, George P. Korfiatis, Alexander C. Demetra-copoulos, Efstathios L. Bourdinos and Edward G. Nawy, EE Aug. 84 p780-796.

Priorities

Evaluation of EPA's Hazard Ranking System, Jy S. Wu and Helene Hilger, EE Aug. 84 p797-807.

Propane

Laboratory Studies on Hydrocarbon Tracer Gases, Kenneth A. Rainwater and Edward R. Holley, EE Feb. 84 p27-41.

Public health

Critical Water Velocity for Small Habitats in Canals, William R. Jobin, Angel Laracuente, Roberto Mercado and Henry Negron-Aponte, EE Feb. 84 p279-282.

Pumping

Estimating Septic Tank Pumping Frequency, Karen Mancl, EE Feb. 84 p283-285.

Rainfall

Effect of Rain on Surface Reaeration, Robert B. Banks, G. Bandula Wickramanayake and B. N. Lohani, EE Feb. 84 p1-14.

Rainfall intensity

Rainfall and Overland Flow Performance, Roberto F. de Figueiredo, Robert G. Smith and Edward D. Schroeder, EE June 84 p678-694.

Recirculation

Simulation of Flow in Rectangular Clarifiers, Emad Imam and John A. McCorquodale, EE June 83 p713-730.

Refuse disposal

Hauling Distance and Transfer Station Location, Ely Anthony R. Ouano, EE Dec. 83 p1429-1433.

Stabilization of Solid Waste in Landfills, Todd J. Bookter and Robert K. Ham, EE Dec. 82 p1089-1100.

Regional planning

Hazardous Waste Disposal Network Analysis, Aaron A. Jennings and Robert L. Sholar, EE April 84 p325-342.

Reservoirs

Multilevel Withdrawal and Water Quality, Jacques Gaillard, EE Feb. 84 p123-130.

Snail Marisa Cornuarietis in Tropical Hydroelectric Reservoirs, William R. Jobin and Angel Lara-cuente, EE April 84 p356-368.

Reverse osmosis

Formation and Fate of Bromoform During Desalination, Ning-Wu Chang and Philip C. Singer, EE Dec. 84 p1189-1193.

Rheology

Temperature Effect on Rheology of Sludges, Odysseas Manoliadis and Paul L. Bishop, EE Feb. 84 p286-290.

Rivers

Accurate Modeling of River Pollutant Transport, Graham B. McBride and J. Christopher Ruth-erford, EE Aug. 84 p808-827.

Application of Stochastic Dissolved Oxygen Model, R. J. Dewey, EE April 84 p412-429.

Critical Point Method for Mixing Zones in Rivers, T. P. Halappa Gowda, EE Feb. 84 p244-262.

Dynamic Advective Water Quality Model for Rivers, Keith W. Bedford, Robert M. Sykes and Charles Libicki, EE June 83 p535-554.

Effect of Rain on Surface Reaeration, Robert B. Banks, G. Bandula Wickramanayake and B. N. Lohani, EE Feb. 84 p1-14.

Examination of Recent Field Data on Stream Reaeration, Patricia Fraxes, Gerhard H. Jirka and Wilfried Brutsaert, EE Dec. 84 p1179-1183.

Reliability of River-Treatment Plant Systems, Robert M. Sykes, EE Feb. 84 p166-173.

Uncertainty Analysis of First Order Decay Model, Peter R. Jaffe and Frank L. Parker, EE Feb. 84 p131-140.

Water Quality Index for Chao Phraya River, Bindu N. Lohani and G. Todino, EE Dec. 84 p1099-1116.

Water Quality Prediction in Mixing Zones of Rivers, T. P. Halappa Gowda, EE Aug. 84 p751-769.

Rotating biological contactor

Temperature Effects on RBC Scale-Up, Yeun C. Wu, Ed. D. Smith and Chiu Y. Chen, EE Apr. 83 p321-331.

Runoff

Probability Model of Stream Quality Due to Runoff, Dominic M. Di Toro, EE June 84 p607-628.

Rural areas

Optimal Design of Branched Water Supply Networks, Anand V. Chiplunkar and P. Khanna, EE June 83 p604-618.

Salinity

Application of Nitrogen-Cycle Model to Manas-quan Estuary, Tavitt O. Najarian, Pamela J. Kaneta, Jay L. Taft and M. Llewellyn Thatcher, EE Feb. 84 p190-207.

Salt Efflorescence in Price River Basin, Bhasker K. Rao, D. S. Bowles and R. J. Wagenet, EE April 84 p457-471.

Sampling

Sampling Strategies for Mass-Discharge Estimation, Byron Bodo and T. E. Unny, EE Aug. 83 p812-829.

Sanitary engineering

Stabilization of Solid Waste in Landfills, Todd J. Bookter and Robert K. Ham, EE Dec. 82 p1089-1100.

Sanitary landfills

Design of Natural Attenuation Landfills, Amalendu Bagchi, EE Aug. 83 p800-811.

Stabilization of Solid Waste in Landfills, Todd J. Bookter and Robert K. Ham, EE Dec. 82 p1089-1100.

Scattering

Scattering and Absorption of Light in Onondaga Lake, Steven W. Effler, Martin C. Wodka and Stephen D. Field, EE Dec. 84 p1134-1145.

Scrubbers

Wet Scrubber Design for Odor Control, Robert J. Murphy, EE Oct. 84 p1002-1004.

Sea water

Formation and Fate of Bromoform During Desalination, Ning-Wu Chang and Philip C. Singer, EE Dec. 84 p1189-1193.

Sediment concentration

Particle Concentration Predictions in Settling Basins, David R. Schamber and Bruce E. Larock, EE June 83 p753-764.

Sedimentation

Flocculent Settling in Quiescent Systems, T. Y. Richard Lo and Walter J. Weber, Jr., EE Feb. 84 p174-189.

Particle Concentration Predictions in Settling Basins, David R. Schamber and Bruce E. Larock, EE June 83 p753-764.

Particles in Thickening: Mathematical Model, Desmond F. Lawler, Philip C. Singer and Charles R. O'Melia, EE Apr. 83 p332-349.

Similitude Interpretation of Jar Test Data, Gregory D. Reed and R. Bruce Robinson, EE June 84 p670-677.

Sediments

Cadmium Adsorption by Aerobic Lake Sediments, John O. Wiley and Peter O. Nelson, EE Feb. 84 p226-243.

Sensitivity analysis

Evaluation of EPA's Hazard Ranking System, Jy S. Wu and Helene Hilger, EE Aug. 84 p797-807.

GAC Treatment Costs: A Sensitivity Analysis, Robert M. Clark, Richard Eilers and Benjamin W. Lykins, Jr., EE Aug. 84 p737-750.

Granular Activated Carbon Cost Sensitivity Analysis, Harry Harbold, EE Aug. 84 p849-853.

Septic tanks

Estimating Septic Tank Pumping Frequency, Karen Mancl, EE Feb. 84 p283-285.

Settling velocity

New Activated Sludge Theory: Steady State, Ritchie D. Mikesell, EE Feb. 84 p141-151.

Settling basins

Particle Concentration Predictions in Settling Basins, David R. Schamber and Bruce E. Larock, EE June 83 p753-764.

Simulation of Flow in Rectangular Clarifiers, Emad Imam and John A. McCorquodale, EE June 83 p713-730.

Settling velocity

Control of Activated Sludge Bulking, Yeun C. Wu, Hsin N. Hsieh, Donald F. Carey and Kuang C. Ou, EE April 84 p472-491.

Sewage

Confirmed Viruses versus Unconfirmed Plaques in Sewage, James J. Bertucci, Seyd H. Abid, Cecil Lue-Hing, C. Scott Clark, James D. Fenters and Kerby F. Fannin, EE Apr. 83 p351-368.

Sewage treatment

Chemical Optimization of Tertiary Contact Filters, Markus A. Boller, EE Feb. 84 p263-276.

Sewage treatment plants

Reliability of River-Treatment Plant Systems, Robert M. Sykes, EE Feb. 84 p166-173.

Shear

Wind Effects on Gas-Liquid Transfer Coefficients, Donald J. O'Connor, EE June 83 p731-752.

Similitude

Similitude Interpretation of Jar Test Data, Gregory D. Reed and R. Bruce Robinson, EE June 84 p670-677.

Sludge

Constructive Sludge Management: Biobrick, James E. Alleman and Neil A. Berman, EE April 84 p301-311.

Oil Sludge Solidification Using Cement Kiln Dust, David Scott Morgan, Jose Ignacio Novoa and Albert Henry Half, EE Oct. 84 p935-948.

Temperature Effect on Rheology of Sludges, Odysseys Manoliadis and Paul L. Bishop, EE Feb. 84 p286-290.

Sludge disposal

Constructive Sludge Management: Biobrick, James E. Alleman and Neil A. Berman, EE April 84 p301-311.

Integrated Wastewater Management, Bhagwan R. Kansakar and Chongrak Polprasert, EE June 83 p619-630.

State Program to Control Municipal Sludge, J. Jeffrey Peirce and Larry Cahill, EE Feb. 84 p15-26.

Sludge treatment

Constructive Sludge Management: Biobrick, James E. Alleman and Neil A. Berman, EE April 84 p301-311.

Mixing Intensity and Polymer Sludge Conditioning, Christopher P. Werle, John T. Novak, William R. Knocke and Joseph H. Sherrad, EE Oct. 84 p919-934.

Polymer Dosage Control in Dissolved Air Flotation, Ronald Gehr and J. Glynn Henry, EE Apr. 83 p448-465.

State Program to Control Municipal Sludge, J. Jeffrey Peirce and Larry Cahill, EE Feb. 84 p15-26.

Soil classification

Soil Compaction and Permeability Prediction Models, M. C. Wang and C. C. Huang, EE Dec. 84 p1063-1083.

Soil compaction

Soil Compaction and Permeability Prediction Models, M. C. Wang and C. C. Huang, EE Dec. 84 p1063-1083.

Soil moisture

Soil Compaction and Permeability Prediction Models, M. C. Wang and C. C. Huang, EE Dec. 84 p1063-1083.

Soil permeability

Soil Compaction and Permeability Prediction Models, M. C. Wang and C. C. Huang, EE Dec. 84 p1063-1083.

Soil properties

Soil Compaction and Permeability Prediction Models, M. C. Wang and C. C. Huang, EE Dec. 84 p1063-1083.

Solid waste disposal

Stabilization of Solid Waste in Landfills, Todd J. Bookter and Robert K. Ham, EE Dec. 82 p1089-1100.

Solid waste management

Hauling Distance and Transfer Station Location, Ely Anthony R. Ouano, EE Dec. 83 p1429-1433.

Solid wastes

Moisture Transport in a Solid Waste Column, George P. Korfiatis, Alexander C. Demetropoulos, Efsthathios L. Bourodimos and Edward G. Nawy, EE Aug. 84 p780-796.

Stabilization of Solid Waste in Landfills, Todd J. Bookter and Robert K. Ham, EE Dec. 82 p1089-1100.

Sorption

Removal of Cadmium (II) by Low Cost Adsorbents, Arun K. Bhattacharya and C. Venkobachar, EE Feb. 84 p110-122.

Spillways

Small Stream Channel Dam Aeration Characteristics, Thomas A. Butts and Ralph L. Evans, EE June 83 p555-573.

State action

State Program to Control Municipal Sludge, J. Jeffrey Peirce and Larry Cahill, EE Feb. 84 p15-26.

State-of-the-art reviews

Evolution of a Technology, Walter J. Weber, Jr., EE Oct. 84 p899-917.

Statistical analysis

Evaluation of 60-Milliliter BOD Bottle Tests, Steve C. McCutcheon, EE June 84 p697-701.

Factors Affecting Apparent Plume-Rise Entrainment, Bruce E. Rittmann, EE Oct. 84 p1013-1017.

Uncertainty Analysis of First Order Decay Model, Peter R. Jaffe and Frank L. Parker, EE Feb. 84 p131-140.

Water Quality Index for Chao Phraya River, Bindu N. Lohani and G. Todino, EE Dec. 84 p1099-1116.

Stochastic models

Application of Stochastic Dissolved Oxygen Model, R. J. Dewey, EE April 84 p412-429.

Stochastic Representation of a Hypereutrophic Lake, C. E. Mericas and R. F. Malone, EE April 84 p312-324.

Stormwater

Oil and Grease in Urban Stormwaters, Michael K. Stenstrom, Gary S. Silverman and Taras A. Bursztynsky, EE Feb. 84 p58-72.

Stormwater Quality Characteristics in Detention Basins, Raymond A. Ferrara and Patrick Witkowski, EE Apr. 83 p428-447.

Streamflow

Reliability of River-Treatment Plant Systems, Robert M. Sykes, EE Feb. 84 p166-173.

Streams

Copper Transport Along Sierra Nevada Stream, James S. Kuwabara, Harry V. Leland and Kenneth E. Bencala, EE June 84 p646-655.

Environmental Aspects of Clearing and Snagging, Fletcher Douglas Shields, Jr. and Nelson R. Nunnally, EE Feb. 84 p152-165.

Probability Model of Stream Quality Due to Runoff, Dominic M. Di Toro, EE June 84 p607-628.

Surface waters

Effect of Rain on Surface Reaeration, Robert B. Banks, G. Bandula Wickramanayake and B. N. Lohani, EE Feb. 84 p1-14.

Procedure for Estimating Surface-Water Intake Costs, Thomas M. Walski, Janet S. Condra and Ken Cable, EE April 84 p381-391.

Suspended sediments

Laboratory Studies on Hydrocarbon Tracer Gases, Kenneth A. Rainwater and Edward R. Holley, EE Feb. 84 p27-41.

Sampling Strategies for Mass-Discharge Estimation, Byron Bodo and T. E. Unny, EE Aug. 83 p812-829.

Suspended solids

Polymer Dosage Control in Dissolved Air Flotation, Ronald Gehr and J. Glynn Henry, EE Apr. 83 p448-465.

Technology assessment

Evolution of a Technology, Walter J. Weber, Jr., EE Oct. 84 p899-917.

Temperature distribution

Temperature Distributions in Tidal Flow Field, Roger A. Falconer, EE Dec. 84 p1163-1176.

Temperature effects

Seasonal Variations of Phosphate Species in Wastewater, K. Subba Narashiah and Chantal Morasse, EE Oct. 84 p1005-1008.

Temperature Corrections to Rate Coefficients, R. Wane Schneider and William J. Grenney, EE June 83 p661-667.

Temperature Effect on Rheology of Sludges, Odysseas Manoliadis and Paul L. Bishop, EE Feb. 84 p286-290.

Tertiary treatment

Chemical Optimization of Tertiary Contact Filters, Markus A. Boller, EE Feb. 84 p263-276.

Seasonal Variations of Phosphate Species in Wastewater, K. Subba Narashiah and Chantal Morasse, EE Oct. 84 p1005-1008.

Thailand

Water Quality Index for Chao Phraya River, Bindu N. Lohani and G. Todino, EE Dec. 84 p1099-1116.

Tidal currents

Application of Nitrogen-Cycle Model to Manasquan Estuary, Tavit O. Najarian, Pamela J. Kaneta, Jay L. Taft and M. Llewellyn Thatcher, EE Feb. 84 p190-207.

Temperature Distributions in Tidal Flow Field, Roger A. Falconer, EE Dec. 84 p1163-1176.

Toxic wastes

Critical Point Analysis for Toxic Waste Treatment, Alan F. Rozich and Anthony F. Gaudy, Jr., EE June 84 p562-572.

Trace elements

Copper Transport Along Sierra Nevada Stream, James S. Kuwabara, Harry V. Leland and Kenneth E. Bencala, EE June 84 p646-655.

Trickling filters

Dispersion in Granular-Media Trickling Filters, Yilmaz Muslu, EE Oct. 84 p961-975.

Tropical regions

Snail Marisa Cornuarietis in Tropical Hydroelectric Reservoirs, William R. Jobin and Angel Lara-cuente, EE April 84 p356-368.

Turbulence

Is Velocity Gradient a Valid Turbulent Flocculation Parameter? John L. Cleasby, EE Oct. 84 p875-897.

Turbulent diffusion

Transverse Mixing in Wide and Shallow River: Case Study, Alexander C. Demetracopoulos and Heinz G. Stefan, EE June 83 p685-699.

Turbulent flow

Particle Concentration Predictions in Settling Basins, David R. Schamber and Bruce E. Larock, EE June 83 p753-764.

Two-dimensional analysis

Water Quality Analysis of New York Harbor Complex, Donald J. O'Connor and John A. Mueller, EE Dec. 84 p1027-1047.

Unsaturated flow

Moisture Transport in a Solid Waste Column, George P. Korfiatis, Alexander C. Demetracopoulos, Efstathios L. Bourodimos and Edward G. Nawy, EE Aug. 84 p780-796.

Salt Efflorescence in Price River Basin, Bhasker K. Rao, D. S. Bowles and R. J. Wagenet, EE April 84 p457-471.

Urban runoff

Oil and Grease in Urban Stormwaters, Michael K. Stenstrom, Gary S. Silverman and Taras A. Bursztynsky, EE Feb. 84 p58-72.

Vegetation

Environmental Aspects of Clearing and Snagging, Fletcher Douglas Shields, Jr. and Nelson R. Nunnally, EE Feb. 84 p152-165.

Velocity gradient

Is Velocity Gradient a Valid Turbulent Floccu-

lation Parameter? John L. Cleasby, EE Oct. 84 p875-897.

Viruses

Confirmed Viruses versus Unconfirmed Plaques in Sewage, James J. Bertucci, Seyd H. Abid, Cecil Lue-Hing, C. Scott Clark, James D. Fenters and Kerby F. Fannin, EE Apr. 83 p351-368.

Viscosity

Temperature Effect on Rheology of Sludges, Odysseys Manoliadis and Paul L. Bishop, EE Feb. 84 p286-290.

Waste disposal

Hauling Distance and Transfer Station Location, Ely Anthony R. Ouano, EE Dec. 83 p1429-1433.

Hazardous Waste Disposal Network Analysis, Aaron A. Jennings and Robert L. Sholar, EE April 84 p325-342.

Oil Sludge Solidification Using Cement Kiln Dust, David Scott Morgan, Jose Ignacio Novoa and Albert Henry Half, EE Oct. 84 p935-948.

Reliability of River-Treatment Plant Systems, Robert M. Sykes, EE Feb. 84 p166-173.

Substrate Utilization Approach for Design of Nitrogen Control, Curtis C. Panzer, EE April 84 p369-380.

Waste management

Hazardous Waste Disposal Network Analysis, Aaron A. Jennings and Robert L. Sholar, EE April 84 p325-342.

Waste recycling

Constructive Sludge Management: Biobrick, James E. Alleman and Neil A. Berman, EE April 84 p301-311.

Waste recycling

Environmental Aspects of Waste Utilization in Construction, James S. Gidley and William A. Sack, EE Dec. 84 p1117-1133.

Waste site cleanup

Evaluation of EPA's Hazard Ranking System, Jy S. Wu and Helene Hilger, EE Aug. 84 p797-807.

Waste stabilization ponds

Phosphorous Models for Waste Stabilization Ponds, Harvey J. S. Hough and Earnest F. Gloyna, EE June 84 p550-561.

Waste storage

Reverse-Flow Landfill Design for Waste Chemicals, Goran Sallfors and J. Jeffrey Peirce, EE April 84 p493-497.

Waste treatment

Critical Point Analysis for Toxic Waste Treatment, Alan F. Rozich and Anthony F. Gaudy, Jr., EE June 84 p562-572.

Wastewater

Temperature Effect on Rheology of Sludges, Odysseys Manoliadis and Paul L. Bishop, EE Feb. 84 p286-290.

Wastewater disposal

Evaluation of Selected Initial Dilution Models, Abu M. Z. Alam, Donald R. F. Harleman and Joseph M. Colonell, EE Feb. 82 p159-186.

Water Quality Prediction in Mixing Zones of Rivers, T. P. Halappa Gowda, EE Aug. 84 p751-769.

Wastewater management

Integrated Wastewater Management, Bhagwan R. Kansakar and Chongrak Polprasert, EE June 83 p619-630.

Wastewater treatment

Aquaculture: The Hercules Experience, David L. Richardson and Glen T. Daigger, EE Oct. 84 p949-960.

Confirmed Viruses versus Unconfirmed Plaques in Sewage, James J. Bertucci, Seyd H. Abid, Cecil Lue-Hing, C. Scott Clark, James D. Fenters and Kerby F. Fannin, EE Apr. 83 p351-368.

Constructive Sludge Management: Biobrick, James E. Alleman and Neil A. Berman, EE April 84 p301-311.

Rainfall and Overland Flow Performance, Roberto F. de Figueiredo, Robert G. Smith and Edward D. Schroeder, EE June 84 p678-694.

Seasonal Variations of Phosphate Species in Wastewater, K. Subba Narashiah and Chantal Morasse, EE Oct. 84 p1005-1008.

State Program to Control Municipal Sludge, J. Jeffrey Peirce and Larry Cahill, EE Feb. 84 p15-26.

Temperature Corrections to Rate Coefficients, R. Wane Schneider and William J. Grenney, EE June 83 p661-667.

Wastewater use

Estimating Crop Growth Rate with Land Treatment, Allen R. Overman, EE Oct. 84 p1009-1012.

Water distribution

Optimization of Gravity-Fed Waste Distribution Systems: Theory, Pramod R. Bhawe, EE Feb. 83 p189-205.

Optimization of Gravity-Fed Water Distribution Systems: Application, Pramod R. Bhawe, EE Apr. 83 p383-395.

Water hyacinths

Aquaculture: The Hercules Experience, David L. Richardson and Glen T. Daigger, EE Oct. 84 p949-960.

Water intakes

Procedure for Estimating Surface-Water Intake Costs, Thomas M. Walski, Janet S. Condra and Ken Cable, EE April 84 p381-391.

Water Pollution

Accurate Modeling of River Pollutant Transport, Graham B. McBride and J. Christopher Ruthford, EE Aug. 84 p808-827.

Water pollution

Dynamic Advective Water Quality Model for

Rivers, Keith W. Bedford, Robert M. Sykes and Charles Libicki, EE June 83 p535-554.

Uncertainty Analysis of First Order Decay Model, Peter R. Jaffe and Frank L. Parker, EE Feb. 84 p131-140.

Water pollution control

Application of Stochastic Dissolved Oxygen Model, R. J. Dewey, EE April 84 p412-429.

Transport in Lake Water Quality Modeling, Peter Shanahan and Donald R. F. Harleman, EE Feb. 84 p42-57.

Water quality

Copper Transport Along Sierra Nevada Stream, James S. Kuwabara, Harry V. Leland and Kenneth E. Bencala, EE June 84 p646-655.

Critical Point Method for Mixing Zones in Rivers, T. P. Halappa Gowda, EE Feb. 84 p244-262.

Dynamic Advective Water Quality Model for Rivers, Keith W. Bedford, Robert M. Sykes and Charles Libicki, EE June 83 p535-554.

Integrated Wastewater Management, Bhagwan R. Kansakar and Chongrak Polprasert, EE June 83 p619-630.

Multilevel Withdrawal and Water Quality, Jacques Gaillard, EE Feb. 84 p123-130.

Probability Model of Stream Quality Due to Runoff, Dominic M. Di Toro, EE June 84 p607-628.

The QUAL II Model, Antonio S. Camara and Clifford W. Randall, EE Oct. 84 p993-996.

Sampling Strategies for Mass-Discharge Estimation, Byron Bodo and T. E. Unny, EE Aug. 83 p812-829.

Small Stream Channel Dam Aeration Characteristics, Thomas A. Butts and Ralph L. Evans, EE June 83 p555-573.

Snail Marisa Cornuarietis in Tropical Hydroelectric Reservoirs, William R. Jobin and Angel Lara-cuente, EE April 84 p356-368.

Stochastic Representation of a Hypereutrophic Lake, C. E. Mericas and R. F. Malone, EE April 84 p312-324.

Transport in Lake Water Quality Modeling, Peter Shanahan and Donald R. F. Harleman, EE Feb. 84 p42-57.

Water Quality Analysis of New York Harbor Complex, Donald J. O'Connor and John A. Mueller, EE Dec. 84 p1027-1047.

Water Quality Index for Chao Phraya River, Bindu N. Lohani and G. Todino, EE Dec. 84 p1099-1116.

Water Quality Prediction in Mixing Zones of Rivers, T. P. Halappa Gowda, EE Aug. 84 p751-769.

Water quality control

Reliability of River-Treatment Plant Systems, Robert M. Sykes, EE Feb. 84 p166-173.

Water resources management

Procedure for Estimating Surface-Water Intake Costs, Thomas M. Walski, Janet S. Condra and Ken Cable, EE April 84 p381-391.

Water sampling

Evaluation of 60-Milliliter BOD Bottle Tests, Steve C. McCutcheon, EE June 84 p697-701.

Water supply

GAC Treatment Costs: A Sensitivity Analysis, Robert M. Clark, Richard Eilers and Benjamin W. Lykins, Jr., EE Aug. 84 p737-750.

Water supply systems

Optimal Design of Branched Water Supply Networks, Anand V. Chiplunkar and P. Khanna, EE June 83 p604-618.

Optimization of Gravity-Fed Waste Distribution Systems: Theory, Pramod R. Bhave, EE Feb. 83 p189-205.

Water surface

Mechanical Mixing and Surface Reaeration, Robert B. Banks, Liqa Raschid-Sally and Chongrak Polprasert, EE Feb. 83 p232-241.

Water temperature

Temperature Effects on RBC Scale-Up, Yeun C. Wu, Ed. D. Smith and Chiu Y. Chen, EE Apr. 83 p321-331.

Water treatment

Air Dynamics Through Filter Media During Air Scour, Steven R. Hewitt and Appiah Amirtharajah, EE June 84 p591-606.

Aqueous Chlorine/Activated Carbon Interactions, Michael J. McGuire and Irwin H. Suffet, EE June 84 p629-645.

Bacterial TOC Removal on Sand and GAC, S. W. Maloney, K. Bancroft, W. O. Pipes and I. H. Suffet, EE June 84 p519-533.

Fundamentals and Theory of Air Scour, Appiah Amirtharajah, EE June 84 p573-590.

GAC Treatment Costs: A Sensitivity Analysis, Robert M. Clark, Richard Eilers and Benjamin W. Lykins, Jr., EE Aug. 84 p737-750.

Similitude Interpretation of Jar Test Data, Gregory D. Reed and R. Bruce Robinson, EE June 84 p670-677.

Water treatment plants

Alkalinity Consumption during Water Coagulation, Olusola Ogedengbe, EE Feb. 84 p290-295.

Watersheds

Oil and Grease in Urban Stormwaters, Michael K. Stenstrom, Gary S. Silverman and Taras A. Bursztynsky, EE Feb. 84 p58-72.

Weirs

Small Stream Channel Dam Aeration Characteristics, Thomas A. Butts and Ralph L. Evans, EE June 83 p555-573.

Wind, meteorology

Examination of Recent Field Data on Stream Reaeration, Patricia Frexes, Gerhard H. Jirka and Wilfried Brutsaert, EE Dec. 84 p1179-1183.

Wind velocity

Examination of Recent Field Data on Stream Reaeration, Patricia Frexes, Gerhard H. Jirka and Wilfried Brutsaert, EE Dec. 84 p1179-1183.

Wind Effects on Gas-Liquid Transfer Coefficients, Donald J. O'Connor, EE June 83 p731-752.



Author Index

- Abid, Seyd H.**
see Bertucci, James J., EE Apr. 83, p351-368
- Abraham, Gerrit**
disc. (of Evaluation of Selected Initial Dilution Models, by Abu M. Z. Alam, Donald R. F. Harleman and Joseph M. Colonell, EE Feb. 82, p159-186), EE Oct. 83, p1213-1214
- Alam, Abu M. Z.**
Evaluation of Selected Initial Dilution Models, with Donald R. F. Harleman and Joseph M. Colonell, EE Feb. 82, p159-186
disc: Gerrit Abraham, EE Oct. 83, p1213-1214
disc: Walter E. Frick, EE Oct. 83, p1215-1217
disc: Russell G. Ludwig, EE Oct. 83, p1217-1218
disc: Philip J. W. Roberts, EE Oct. 83, p1218-1222
clo: EE Aug. 84, p857-860
- Alleman, James E.**
Constructive Sludge Management: Biobrick, with Neil A. Berman, EE April 84, p301-311
- Amirtharajah, Appiah**
Fundamentals and Theory of Air Scour, EE June 84, p573-590
see Hewitt, Steven R., EE June 84, p591-606
- Bagchi, Amalendu**
Design of Natural Attenuation Landfills, EE Aug. 83, p800-811
disc: John A. Mundell, EE Dec. 84, p1207-1210
clo: EE Dec. 84, p1211-1212
- Bancroft, K.**
see Maloney, S. W., EE June 84, p519-533
- Banks, Robert B.**
Effect of Rain on Surface Reaeration, with G. Bandula Wickramanayake and B. N. Lohani, EE Feb. 84, p1-14
Mechanical Mixing and Surface Reaeration, with Liqa Raschid-Sally and Chongrak Polprasert, EE Feb. 83, p232-241
disc: Andrzej K. Bin, EE June 84, p705-707
disc: E. A. R. Ouano, EE June 84, p707-709
- Bedford, Keith W.**
Dynamic Advective Water Quality Model for Rivers, with Robert M. Sykes and Charles Libicki, EE June 83, p535-554
err: EE Feb. 84, p299
- Bencala, Kenneth E.**
see Kuwabara, James S., EE June 84, p646-655
- Berman, Neil A.**
see Alleman, James E., EE April 84, p301-311
- Bertucci, James J.**
Confirmed Viruses versus Unconfirmed Plaques in Sewage, with Seyd H. Abid, Cecil Lue-Hing, C. Scott Clark, James D. Fenters and Kerby F. Fannin, EE Apr. 83, p351-368
disc: Ray Morris, EE June 84, p709-710
clo: EE June 84, p710-711
- Bhattacharya, Arun K.**
Removal of Cadmium (II) by Low Cost Adsorbents, with C. Venkobachar, EE Feb. 84, p110-122
- Bhawe, Pramod R.**
Optimization of Gravity-Fed Waste Distribution Systems: Theory, EE Feb. 83, p189-205
disc: Thomas A. Ridgik and Donald T. Lauria, EE April 84, p504-509
clo: EE April 84, p509-512
Optimization of Gravity-Fed Water Distribution Systems: Application, EE Apr. 83, p383-395
err: EE April 84, p512
- Bin, Andrzej K.**
disc. (of Mechanical Mixing and Surface Reaeration, by Robert B. Banks, Liqa Raschid-Sally and Chongrak Polprasert, EE Feb. 83, p232-241), EE June 84, p705-707
- Bishop, Paul L.**
see Manoliadis, Odysseys, EE Feb. 84, p286-290
- Bodo, Byron**
Sampling Strategies for Mass-Discharge Estimation, with T. E. Unny, EE Aug. 83, p812-829
err: EE Aug. 84, p867-871
- Boller, Markus A.**
Chemical Optimization of Tertiary Contact Filters, EE Feb. 84, p263-276
- Bookter, Todd J.**
Stabilization of Solid Waste in Landfills, with Robert K. Ham, EE Dec. 82, p1089-1100
err: EE Aug. 83, p989
disc: Roscoe F. Ward, EE April 84, p501-503
clo: EE April 84, p503
- Borden, Robert C.**
disc. (of Stormwater Quality Characteristics in Detention Basins, by Raymond A. Ferrara and Patrick Witkowski, EE Apr. 83, p428-447), EE April 84, p513-514
- Bouredimes, Efstathios L.**
see Demetropoulos, Alexander C., EE Dec. 84, p1084-1098
- Bourodimos, Efstathios L.**
see Korfiatis, George P., EE Aug. 84, p780-796
- Bowlby, William**
see Cohn, Louis F., EE June 84, p534-549
- Bowles, D. S.**
see Rao, Bhaskar K., EE April 84, p457-471
- Brutsaert, Wilfried**
see Frexes, Patricia, EE Dec. 84, p1179-1183
- Bulkley, J. W.**
see Grasso, D., (disc), EE Dec. 84, p1221-1224
- Bursztynsky, Taras A.**
see Stenstrom, Michael K., EE Feb. 84, p58-72
- Butts, Thomas A.**
Small Stream Channel Dam Aeration Characteristics, with Ralph L. Evans, EE June 83, p555-573
disc: T. P. Halappa Gowda, EE June 84, p728-730
disc: T. H. Y. Tebbutt, EE June 84, p731-733
clo: EE June 84, p733-735

- Cable, Ken**
see Walski, Thomas M., EE April 84, p381-391
- Cahill, Larry**
see Peirce, J. Jeffrey, EE Feb. 84, p15-26
- Camara, Antonio S.**
The QUAL II Model, with Clifford W. Randall, EE Oct. 84, p993-996
- Carey, Donald F.**
see Wu, Yeun C., EE April 84, p472-491
- Chang, Ning-Wu**
Formation and Fate of Bromoform During Desalination, with Philip C. Singer, EE Dec. 84, p1189-1193
- Chen, Chiu Y.**
see Wu, Yeun C., EE Apr. 83, p321-331
- Chiplunkar, Anand V.**
Optimal Design of Branched Water Supply Networks, with P. Khanna, EE June 83, p604-618
disc: Prasad M. Modal and Wasim I. Rabani, EE Dec. 84, p1197-1199
clo: EE Dec. 84, p1199-1200
- Church, Richard L.**
disc. (of Hauling Distance and Transfer Station Location, by Ely Anthony R. Ouano, EE Dec. 83, p1429-1433), EE Oct. 84, p1021-1022
- Clark, C. Scott**
see Bertucci, James J., EE Apr. 83, p351-368
- Clark, Robert M.**
GAC Treatment Costs: A Sensitivity Analysis, with Richard Eilers and Benjamin W. Lykins, Jr., EE Aug. 84, p737-750
VOCs in Drinking Water: Cost of Removal, with Richard G. Eilers and James A. Goodrich, EE Dec. 84, p1146-1162
- Cleasby, John L.**
Is Velocity Gradient a Valid Turbulent Flocculation Parameter?, EE Oct. 84, p875-897
- Clesceri, Nicholas L.**
disc. (of Nutrient Loading Estimates for Lakes, by Walter Rast and G. Fred Lee, EE Apr. 83, p502-517) with Sidney Curran and Richard I. Sedlak, EE June 84, p720-722
- Cohn, Louis F.**
Minimizing Highway Noise Barrier Intrusion, with William Bowlby, EE June 84, p534-549
- Colonell, Joseph M.**
see Alam, Abu M. Z., EE Feb. 82, p159-186
- Condra, Janet S.**
see Walski, Thomas M., EE April 84, p381-391
- Crittenden, John C.**
see Hand, David W., EE April 84, p440-456
- Curran, Sidney**
see Clesceri, Nicholas L., (disc), EE June 84, p720-722
- Dalger, Glen T.**
see Richardson, David L., EE Oct. 84, p949-960
- de Figueiredo, Roberto F.**
Rainfall and Overland Flow Performance, with Robert G. Smith and Edward D. Schroeder, EE June 84, p678-694
- Demetracopoulos, Alexander C.**
Modeling for Design of Landfill Bottom Liners, with George P. Korfiatis, Efsthathies L. Bourdimes and Edward G. Nawy, EE Dec. 84, p1084-1098
- Demetracopoulos, Alexander C.**
Transverse Mixing in Wide and Shallow River: Case Study, with Heinz G. Stefan, EE June 83, p685-699
disc: T. P. Halappa Gowda, EE April 84, p515-516
clo: EE April 84, p517
see Korfiatis, George P., EE Aug. 84, p780-796
- Devan, Steven P.**
History of Phosphorus Loading to Onondaga Lake, with Steven W. Effler, EE Feb. 84, p93-109
- Dewey, R. J.**
Application of Stochastic Dissolved Oxygen Model, EE April 84, p412-429
- Di Toro, Dominic M.**
Probability Model of Stream Quality Due to Runoff, EE June 84, p607-628
- Dick, Richard I.**
disc. (of New Activated Sludge Theory: Steady State, by Ritchie D. Mikesell, EE Feb. 84, p141-151), EE Dec. 84, p1212-1214
- Effler, Steven W.**
Scattering and Absorption of Light in Onondaga Lake, with Martin C. Wodka and Stephen D. Field, EE Dec. 84, p1134-1145
see Devan, Steven P., EE Feb. 84, p93-109
- Eilers, Richard**
see Clark, Robert M., EE Aug. 84, p737-750
- Ellers, Richard G.**
see Clark, Robert M., EE Dec. 84, p1146-1162
- Emenhisser, Thomas C.**
see Singh, Udai P., EE April 84, p343-355
- Engelbrecht, Richard S.**
see Severin, Blaine F., EE April 84, p430-439
- Evans, Ralph L.**
see Butts, Thomas A., EE June 83, p555-573
- Falconer, Roger A.**
Temperature Distributions in Tidal Flow Field, EE Dec. 84, p1163-1176
- Fannin, Kerby F.**
see Bertucci, James J., EE Apr. 83, p351-368
- Fenters, James D.**
see Bertucci, James J., EE Apr. 83, p351-368
- Ferrara, Raymond A.**
Stormwater Quality Characteristics in Detention Basins, with Patrick Witkowski, EE Apr. 83, p428-447
disc: Robert C. Borden, EE April 84, p513-514
clo: EE April 84, p514
- Field, Stephen D.**
see Effler, Steven W., EE Dec. 84, p1134-1145

- Forbes, Eugene J.**
see Sung, Windsor, EE Dec. 84, p1048-1061
- Frexes, Patricia**
Examination of Recent Field Data on Stream Reaeration, with Gerhard H. Jirka and Wilfried Brutsaert, EE Dec. 84, p1179-1183
- Frick, Walter E.**
disc. (of Evaluation of Selected Initial Dilution Models, by Abu M. Z. Alam, Donald R. F. Harleman and Joseph M. Colonell, EE Feb. 82, p159-186), EE Oct. 83, p1215-1217
- Gaillard, Jacques**
Multilevel Withdrawal and Water Quality, EE Feb. 84, p123-130
- Garcia-Bengochea, J. I.**
see Singh, Udai P., EE April 84, p343-355
- Gandy, Anthony F., Jr.**
see Rozich, Alan F., EE June 84, p562-572
- Gehr, Ronald**
Polymer Dosage Control in Dissolved Air Flotation, with J. Glynn Henry, EE Apr. 83, p448-465
err: EE April 84, p514
- Gidley, James S.**
Environmental Aspects of Waste Utilization in Construction, with William A. Sack, EE Dec. 84, p1117-1133
- Gloyna, Earnest F.**
see Houg, Harvey J. S., EE June 84, p550-561
- Goodrich, James A.**
see Clark, Robert M., EE Dec. 84, p1146-1162
- Gowda, T. P. Halappa**
Critical Point Method for Mixing Zones in Rivers, EE Feb. 84, p244-262
err: EE Aug. 84, p872-873
Water Quality Prediction in Mixing Zones of Rivers, EE Aug. 84, p751-769
disc. (of Small Stream Channel Dam Aeration Characteristics, by Thomas A. Butts and Ralph L. Evans, EE June 83, p555-573), EE June 84, p728-730
disc. (of Transverse Mixing in Wide and Shallow River: Case Study, by Alexander C. Demetropoulos and Heinz G. Stefan, EE June 83, p685-699), EE April 84, p515-516
- Grasso, D.**
disc. (of Reliability of River-Treatment Plant Systems, by Robert M. Sykes, EE Feb. 84, p166-173) with J. W. Bulkley, EE Dec. 84, p1221-1224
- Grasso, Domenick**
see Kapuscinski, Richard B., (disc), EE Dec. 84, p1214-1219
- Greeney, William J.**
see Schneider, R. Wane, EE June 83, p661-667
- Gulliver, John S.**
disc. (of Wind Effects on Gas-Liquid Transfer Coefficients, by Donald J. O'Connor, EE June 83, p731-752), EE Dec. 84, p1201-1203
- Half, Albert Henry**
see Morgan, David Scott, EE Oct. 84, p935-948
- Ham, Robert K.**
see Bookter, Todd J., EE Dec. 82, p1089-1100
- Hand, David W.**
Simplified Models for Design of Fixed-Bed Adsorption Systems, with John C. Crittenden and William E. Thacker, EE April 84, p440-456
- Haney, J. L.**
see Tesche, T. W., EE Feb. 84, p208-225
- Harbold, Harry**
Granular Activated Carbon Cost Sensitivity Analysis, EE Aug. 84, p849-853
- Harleman, Donald R. F.**
see Alam, Abu M. Z., EE Feb. 82, p159-186
see Shanahan, Peter, EE Feb. 84, p42-57
- Henry, J. Glynn**
see Gehr, Ronald, EE Apr. 83, p448-465
- Hewitt, Steven R.**
Air Dynamics Through Filter Media During Air Scour, with Appiah Amirtharajah, EE June 84, p591-606
- Hilger, Helene**
see Wu, Jy S., EE Aug. 84, p797-807
- Ho, Goen E.**
Iron Removal from TiO_2 -Plant Acidic Wastewater, with Peter J. Murphy, Noel Platell and J. Eddy Wajon, EE Aug. 84, p828-846
- Holley, Edward R.**
see Rainwater, Kenneth A., EE Feb. 84, p27-41
- Houg, Harvey J. S.**
Phosphorous Models for Waste Stabilization Ponds, with Earnest F. Gloyna, EE June 84, p550-561
- Hsieh, Hsin N.**
see Wu, Yeun C., EE April 84, p472-491
- Huang, C. C.**
see Wang, M. C., EE Dec. 84, p1063-1083
- Hudgins, Robert R.**
disc. (of Particle Concentration Predictions in Settling Basins, by David R. Schamber and Bruce E. Larock, EE June 83, p753-764) with Peter L. Silveston, EE Aug. 84, p862
disc. (of Simulation of Flow in Rectangular Clarifiers, by Emad Imam and John A. McCorquodale, EE June 83, p713-730) with Peter L. Silveston, EE Aug. 84, p860
- Imam, Emad**
Simulation of Flow in Rectangular Clarifiers, with John A. McCorquodale, EE June 83, p713-730
disc: Robert R. Hudgins and Peter L. Silveston, EE Aug. 84, p860
clo: EE Aug. 84, p861
- Jaffe, Peter R.**
Uncertainty Analysis of First Order Decay Model, with Frank L. Parker, EE Feb. 84, p131-140
- Jain, Ravinder K.**
Formulation of Environmental Regulations, EE Aug. 84, p770-779
- Jennings, Aaron A.**
Hazardous Waste Disposal Network Analysis, with Robert L. Sholar, EE April 84, p325-342

- Jirka, Gerhard H.**
see Frexes, Patricia, EE Dec. 84, p1179-1183
- Jobin, William R.**
Critical Water Velocity for Small Habitats in Canals, with Angel Laracuenta, Roberto Mercado and Henry Negron-Aponte, EE Feb. 84, p279-282
Snail Marisa Cornuarietis in Tropical Hydroelectric Reservoirs, with Angel Laracuenta, EE April 84, p356-368
- Kaneta, Pamela J.**
see Najarian, Tavit O., EE Feb. 84, p190-207
- Kansakar, Bhagwan R.**
Integrated Wastewater Management, with Chongrak Polprasert, EE June 83, p619-630
err: EE Feb. 84, p299
- Kapuscinski, Richard B.**
disc. (of New Activated Sludge Theory: Steady State, by Ritchie D. Mikesell, EE Feb. 84, p141-151) with Lynn E. Katz and Domenick Grasso, EE Dec. 84, p1214-1219
- Katz, Lynn E.**
see Kapuscinski, Richard B., (disc), EE Dec. 84, p1214-1219
- Khanna, P.**
see Chiplunkar, Anand V., EE June 83, p604-618
- Khudenko, Boris Mikhail**
Development of Self-Propelled Aerators, EE Aug. 83, p868-885
disc: William Whipple, EE Aug. 84, p871-872
clo: EE Aug. 84, p872
- Kissel, John C.**
Numerical Simulation of Mixed-Culture Biofilm, with Perry L. McCarty and Robert L. Street, EE April 84, p393-411
- Knocke, William R.**
see Werle, Christopher P., EE Oct. 84, p919-934
- Korfiatis, George P.**
Moisture Transport in a Solid Waste Column, with Alexander C. Demetrapoulos, Efsthathios L. Bourdinos and Edward G. Nawy, EE Aug. 84, p780-796
see Demetrapoulos, Alexander C., EE Dec. 84, p1084-1098
- Kuwabara, James S.**
Copper Transport Along Sierra Nevada Stream, with Harry V. Leland and Kenneth E. Bencala, EE June 84, p646-655
- Laracuenta, Angel**
see Jobin, William R., EE Feb. 84, p279-282
see Jobin, William R., EE April 84, p356-368
- Larock, Bruce E.**
see Schamber, David R., EE June 83, p753-764
- Lauria, Donald T.**
see Ridgik, Thomas A., (disc), EE April 84, p504-509
- Lawler, Desmond F.**
Particles in Thickening: Mathematical Model, with Philip C. Singer and Charles R. O'Melia, EE Apr. 83, p332-349
- disc: P. Aarne Vesilind, EE June 84, p711-716
clo: EE June 84, p716-720
- Lee, G. Fred**
see Rast, Walter, EE Apr. 83, p502-517
- Leland, Harry V.**
see Kuwabara, James S., EE June 84, p646-655
- Libicki, Charles**
see Bedford, Keith W., EE June 83, p535-554
- Lo, T. Y. Richard**
Flocculent Settling in Quiescent Systems, with Walter J. Weber, Jr., EE Feb. 84, p174-189
- Lohani, B. N.**
see Banks, Robert B., EE Feb. 84, p1-14
- Lohani, Bindu N.**
Water Quality Index for Chao Phraya River, with G. Todino, EE Dec. 84, p1099-1116
- Ludwig, Russell G.**
disc. (of Evaluation of Selected Initial Dilution Models, by Abu M. Z. Alam, Donald R. F. Harleman and Joseph M. Colonell, EE Feb. 82, p159-186), EE Oct. 83, p1217-1218
- Lue-Hing, Cecil**
see Bertucci, James J., EE Apr. 83, p351-368
- Lung, Wu-Seng**
Understanding Simplified Lake Acidification Models, EE Oct. 84, p997-1002
- Lykins, Benjamin W., Jr.**
see Clark, Robert M., EE Aug. 84, p737-750
- McBride, Graham B.**
Accurate Modeling of River Pollutant Transport, with J. Christopher Rutherford, EE Aug. 84, p808-827
- McCarty, Perry L.**
see Kissel, John C., EE April 84, p393-411
- McCorquodale, John A.**
see Imam, Emad, EE June 83, p713-730
- McCutcheon, Steve C.**
Evaluation of 60-Milliliter BOD Bottle Tests, EE June 84, p697-701
- McGuire, Michael J.**
Aqueous Chlorine/Activated Carbon Interactions, with Irwin H. Suffet, EE June 84, p629-645
- Malone, R. F.**
see Mericas, C. E., EE April 84, p312-324
- Maloney, S. W.**
Bacterial TOC Removal on Sand and GAC, with K. Bancroft, W. O. Pipes and I. H. Suffet, EE June 84, p519-533
- Mancl, Karen**
Estimating Septic Tank Pumping Frequency, EE Feb. 84, p283-285
- Manoliadis, Odysseys**
Temperature Effect on Rheology of Sludges, with Paul L. Bishop, EE Feb. 84, p286-290
- Mercado, Roberto**
see Jobin, William R., EE Feb. 84, p279-282

Merican, C. E.

Stochastic Representation of a Hypereutrophic Lake, with R. F. Malone, EE April 84, p312-324

Mikesell, Ritchie D.

New Activated Sludge Theory: Steady State, EE Feb. 84, p141-151

disc: Richard I. Dick, EE Dec. 84, p1212-1214

disc: Richard B. Kapuscinski, Lynn E. Katz and Domenick Grasso, EE Dec. 84, p1214-1219

clo: EE Dec. 84, p1219-1221

Modal, Prasad M.

disc. (of Optimal Design of Branched Water Supply Networks, by Anand V. Chiplunkar and P. Khanna, EE June 83, p604-618) with Wasim I. Rabbani, EE Dec. 84, p1197-1199

Morassee, Chantal

see Narashiah, K. Subba, EE Oct. 84, p1005-1008

Morgan, David Scott

Oil Sludge Solidification Using Cement Kiln Dust, with Jose Ignacio Novoa and Albert Henry Halff, EE Oct. 84, p935-948

Morris, Ray

disc. (of Confirmed Viruses versus Unconfirmed Plaques in Sewage, by James J. Bertucci, Seyd H. Abid, Cecil Lue-Hing, C. Scott Clark, James D. Fenters and Kerby F. Fannin, EE Apr. 83, p351-368), EE June 84, p709-710

Mueller, John A.

see O'Connor, Donald J., EE Dec. 84, p1027-1047

Mundell, John A.

disc. (of Design of Natural Attenuation Landfills, by Amalendu Bagchi, EE Aug. 83, p800-811), EE Dec. 84, p1207-1210

Murphy, Peter J.

see Ho, Goen E., EE Aug. 84, p828-846

Murphy, Robert J.

Wet Scrubber Design for Odor Control, EE Oct. 84, p1002-1004

Mush, Yilmaz

Dispersion in Granular-Media Tricking Filters, EE Oct. 84, p961-975

Najarian, Tavitt O.

Application of Nitrogen-Cycle Model to Manasquan Estuary, with Pamela J. Kaneta, Jay L. Taft and M. Llewellyn Thatcher, EE Feb. 84, p190-207

Narashiah, K. Subba

Seasonal Variations of Phosphate Species in Wastewater, with Chantal Morassee, EE Oct. 84, p1005-1008

Nawy, Edward G.

see Demetracopoulos, Alexander C., EE Dec. 84, p1084-1098

see Korfiatis, George P., EE Aug. 84, p780-796

Negron-Aponte, Henry

see Jobin, William R., EE Feb. 84, p279-282

Nelson, Peter O.

see Wiley, John O., EE Feb. 84, p226-243

Novak, John T.

see Werle, Christopher P., EE Oct. 84, p919-934

Novoa, Jose Ignacio

see Morgan, David Scott, EE Oct. 84, p935-948

Nunnally, Nelson R.

see Shields, Fletcher Douglas, Jr., EE Feb. 84, p152-165

O'Connor, Donald J.

Water Quality Analysis of New York Harbor Complex, with John A. Mueller, EE Dec. 84, p1027-1047

Wind Effects on Gas-Liquid Transfer Coefficients, EE June 83, p731-752

disc: John S. Gulliver, EE Dec. 84, p1201-1203

disc: E. A. R. Ouano, EE Dec. 84, p1203-1204

clo: EE Dec. 84, p1204-1207

Ogedengbe, Olusola

Alkalinity Consumption during Water Coagulation, EE Feb. 84, p290-295

Oliver, W. R.

see Tesche, T. W., EE Feb. 84, p208-225

O'Melia, Charles R.

see Lawler, Desmond F., EE Apr. 83, p332-349

Ong, S. L.

Simplified Approach for Designing Carbon Adsorption Column, EE Dec. 84, p1184-1188

disc. (of Temperature Corrections to Rate Coefficients, by R. Wane Schneider and William J. Grenney, EE June 83, p661-667), EE Aug. 84, p864-866

disc. (of Temperature Effects on RBC Scale-Up, by Yeun C. Wu, Ed. D. Smith and Chiu Y. Chen, EE Apr. 83, p321-331), EE June 84, p724-726

Orban, James E.

see Singh, Udai P., EE April 84, p343-355

Ou, Kuang C.

see Wu, Yeun C., EE April 84, p472-491

Ouano, E. A. R.

disc. (of Mechanical Mixing and Surface Reaeration, by Robert B. Banks, Liqa Raschid-Sally and Chongrak Polpraert, EE Feb. 83, p232-241), EE June 84, p707-709

disc. (of Wind Effects on Gas-Liquid Transfer Coefficients, by Donald J. O'Connor, EE June 83, p731-752), EE Dec. 84, p1203-1204

Ouano, Ely Anthony R.

Hauling Distance and Transfer Station Location, EE Dec. 83, p1429-1433

disc: Richard L. Church, EE Oct. 84, p1021-1022

clo: EE Oct. 84, p1022-1025

Overman, Allen R.

Estimating Crop Growth Rate with Land Treatment, EE Oct. 84, p1009-1012

Panzer, Curtis C.

Substrate Utilization Approach for Design of Nitrogen Control, EE April 84, p369-380

Parker, Frank L.

see Jaffe, Peter R., EE Feb. 84, p131-140

Peirce, J. Jeffrey

State Program to Control Municipal Sludge, with Larry Cahill, EE Feb. 84, p15-26

see Sallfors, Goran, EE April 84, p493-497

Pipes, W. O.

see Maloney, S. W., EE June 84, p519-533

Pirbazi, Massoud

Removal of Dieldrin from Water by Activated Carbon, with Walter J. Weber, Jr., EE June 84, p656-669

Platell, Noel

see Ho, Goen E., EE Aug. 84, p828-846

Polprasert, Chongrak

see Banks, Robert B., EE Feb. 83, p232-241
see Kansakar, Bhagwan R., EE June 83, p619-630

Rabbani, Wasim I.

see Modal, Prasad M., (disc), EE Dec. 84, p1197-1199

Rainwater, Kenneth A.

Laboratory Studies on Hydrocarbon Tracer Gases, with Edward R. Holley, EE Feb. 84, p27-41

Randall, Clifford W.

see Camara, Antonio S., EE Oct. 84, p993-996

Rao, Bhasker K.

Salt Efflorescence in Price River Basin, with D. S. Bowles and R. J. Wagenet, EE April 84, p457-471

Raschid-Sally, Liqa

see Banks, Robert B., EE Feb. 83, p232-241

Rast, Walter

Nutrient Loading Estimates for Lakes, with G. Fred Lee, EE Apr. 83, p502-517

disc: Nicholas L. Clesceri, Sidney Curran and Richard I. Sedlak, EE June 84, p720-722

clo: EE June 84, p722-724

Reed, Gregory D.

Simultaneous Interpretation of Jar Test Data, with R. Bruce Robinson, EE June 84, p670-677

Richardson, David L.

Aquaculture: The Hercules Experience, with Glen T. Daigger, EE Oct. 84, p949-960

Ridgik, Thomas A.

disc. (of Optimization of Gravity-Fed Waste Distribution Systems: Theory, by Pramod R. Bhawe, EE Feb. 83, p189-205) with Donald T. Lauria, EE April 84, p504-509

Rittmann, Bruce E.

Factors Affecting Apparent Plume-Rise Entrainment, EE Oct. 84, p1013-1017

Roberts, Paul V.

see Summers, R. Scott, EE Feb. 84, p73-92

Roberts, Philip J. W.

disc. (of Evaluation of Selected Initial Dilution Models, by Abu M. Z. Alam, Donald R. F. Harleman and Joseph M. Colonell, EE Feb. 82, p159-186), EE Oct. 83, p1218-1222

Robinson, R. Bruce

see Reed, Gregory D., EE June 84, p670-677

Rozich, Alan F.

Critical Point Analysis for Toxic Waste Treatment, with Anthony F. Gaudy, Jr., EE June 84, p562-572

Rutherford, J. Christopher

see McBride, Graham B., EE Aug. 84, p808-827

Sack, William A.

see Gidley, James S., EE Dec. 84, p1117-1133

Sallfors, Goran

Reverse-Flow Landfill Design for Waste Chemicals, with J. Jeffrey Peirce, EE April 84, p493-497

Schamber, David R.

Particle Concentration Predictions in Settling Basins, with Bruce E. Larock, EE June 83, p753-764

disc: Robert R. Hudgins and Peter L. Silveston, EE Aug. 84, p862

clo: EE Aug. 84, p863-864

Schneider, R. Wane

Temperature Corrections to Rate Coefficients, with William J. Grenney, EE June 83, p661-667

disc: S. L. Ong, EE Aug. 84, p864-866

clo: EE Aug. 84, p866-867

Schroeder, Edward D.

see de Figueiredo, Roberto F., EE June 84, p678-694

Sedlak, Richard I.

see Clesceri, Nicholas L., (disc), EE June 84, p720-722

Seigneur, C.

see Tesche, T. W., EE Feb. 84, p208-225

Severin, Blaine F.

Series-Event Kinetic Model for Chemical Disinfection, with Makram T. Suidan and Richard S. Engelbrecht, EE April 84, p430-439

Shanahan, Peter

Transport in Lake Water Quality Modeling, with Donald R. F. Harleman, EE Feb. 84, p42-57

Sheldis, Fletcher Douglas, Jr.

Environmental Aspects of Clearing and Snagging, with Nelson R. Nunnally, EE Feb. 84, p152-165

Sherrad, Joseph H.

see Werle, Christopher P., EE Oct. 84, p919-934

Sholar, Robert L.

see Jennings, Aaron A., EE April 84, p325-342

Silverman, Gary S.

see Stenstrom, Michael K., EE Feb. 84, p58-72

Silveston, Peter L.

see Hudgins, Robert R., (disc), EE Aug. 84, p860

see Hudgins, Robert R., (disc), EE Aug. 84, p862

Singer, Philip C.

see Chang, Ning-Wu, EE Dec. 84, p1189-1193

see Lawler, Desmond F., EE Apr. 83, p332-349

see Yen, Chen-yu, EE Oct. 84, p976-989

Singh, Udal P.

Cleanup for Miami Drum Hazardous Waste Site, with Thomas C. Emenhiser, J. I. Garcia-Bengochea and James E. Orban, EE April 84, p343-355

Smith, Ed. D.

see Wu, Yeun C., EE Apr. 83, p321-331

- Smith, Robert G.**
see de Figueiredo, Roberto F., EE June 84, p678-694
- Stefan, Heinz G.**
see Demetracopoulos, Alexander C., EE June 83, p685-699
- Stenstrom, Michael K.**
Oil and Grease in Urban Stormwaters, with Gary S. Silverman and Taras A. Burszynsky, EE Feb. 84, p58-72
- Street, Robert L.**
see Kissel, John C., EE April 84, p393-411
- Suffet, I. H.**
see Maloney, S. W., EE June 84, p519-533
- Suffet, Irwin H.**
see McGuire, Michael J., EE June 84, p629-645
- Soldan, Makram T.**
see Severin, Blaine F., EE April 84, p430-439
- Summers, R. Scott**
Simulation of DOC Removal in Activated Carbon Beds, with Paul V. Roberts, EE Feb. 84, p73-92
- Sung, Windsor**
Some Considerations on Iron Removal, with Eugene J. Forbes, EE Dec. 84, p1048-1061
- Sykes, Robert M.**
Reliability of River-Treatment Plant Systems, EE Feb. 84, p166-173
disc: D. Grasso and J. W. Bulkley, EE Dec. 84, p1221-1224
clo: EE Dec. 84, p1224-1225
see Bedford, Keith W., EE June 83, p535-554
- Taft, Jay L.**
see Najarian, Tavitt O., EE Feb. 84, p190-207
- Tebbutt, T. H. Y.**
disc: (of Small Stream Channel Dam Aeration Characteristics, by Thomas A. Butts and Ralph L. Evans, EE June 83, p555-573), EE June 84, p731-733
- Tesche, T. W.**
Modeling Ozone Control Strategies in Los Angeles, with C. Seigneur, W. R. Oliver and J. L. Haney, EE Feb. 84, p208-225
- Thacker, William E.**
see Hand, David W., EE April 84, p440-456
- Thatcher, M. Llewellyn**
see Najarian, Tavitt O., EE Feb. 84, p190-207
- Todino, G.**
see Lohani, Bindu N., EE Dec. 84, p1099-1116
- Unny, T. E.**
see Bodo, Byron, EE Aug. 83, p812-829
- Venkobachar, C.**
see Bhattacharya, Arun K., EE Feb. 84, p110-122
- Vesilind, P. Aarne**
disc: (of Particles in Thickening: Mathematical Model, by Desmond F. Lawler, Philip C. Singer and Charles R. O'Melia, EE Apr. 83, p332-349), EE June 84, p711-716
- Wagenet, R. J.**
see Rao, Bhasker K., EE April 84, p457-471
- Wajon, J. Eddy**
see Ho, Goen E., EE Aug. 84, p828-846
- Walski, Thomas M.**
Procedure for Estimating Surface-Water Intake Costs, with Janet S. Condra and Ken Cable, EE April 84, p381-391
- Wang, M. C.**
Soil Compaction and Permeability Prediction Models, with C. C. Huang, EE Dec. 84, p1063-1083
- Ward, Roscoe F.**
disc: (of Stabilization of Solid Waste in Landfills, by Todd J. Bookter and Robert K. Ham, EE Dec. 82, p1089-1100), EE April 84, p501-503
- Weber, Walter J., Jr.**
Evolution of a Technology, EE Oct. 84, p899-917
see Lo, T. Y. Richard, EE Feb. 84, p174-189
see Pirbazari, Massoud, EE June 84, p656-669
- Werle, Christopher P.**
Mixing Intensity and Polymer Sludge Conditioning, with John T. Novak, William R. Knocke and Joseph H. Sherrard, EE Oct. 84, p919-934
- Whipple, William**
disc: (of Development of Self-Propelled Aerators, by Boris Mikhail Khudenko, EE Aug. 83, p868-885), EE Aug. 84, p871-872
- Wickramanayake, G. Bandula**
see Banks, Robert B., EE Feb. 84, p1-14
- Wiley, John O.**
Cadmium Adsorption by Aerobic Lake Sediments, with Peter O. Nelson, EE Feb. 84, p226-243
- Witkowski, Patrick**
see Ferrara, Raymond A., EE Apr. 83, p428-447
- Wodka, Martin C.**
see Effler, Steven W., EE Dec. 84, p1134-1145
- Wu, Jy S.**
Evaluation of EPA's Hazard Ranking System, with Helene Hilger, EE Aug. 84, p797-807
- Wu, Yuen C.**
Control of Activated Sludge Bulking, with Hsin N. Hsieh, Donald F. Carey and Kuang C. Ou, EE April 84, p472-491
Temperature Effects on RBC Scale-Up, with Ed. D. Smith and Chiu Y. Chen, EE Apr. 83, p321-331
disc: S. L. Ong, EE June 84, p724-726
clo: EE June 84, p726-728
- Yen, Chen-yu**
Competitive Adsorption of Phenols on Activated Carbon, with Philip C. Singer, EE Oct. 84, p976-989